

SEQUENCE LISTING

<110> SHARMA, Praveen
SAHNI, Narinder Singh
LONNEBORG, Anders

<120> PRODUCT AND METHOD

<130> Q87920

<140> US 10/535,414

<141> 2005-05-19

<150> PCT/GB03/05102

<151> 2003-11-21

<160> 501

<170> PatentIn version 3.3

<210> 1

<211> 405

<212> DNA

<213> Homo sapiens

<400> 1
 ggatcctgtg gccacagag ctgccccagc agacgctccg cccacccgg tgatggagcc 60
 ccgggggggac aatcgtgcct ggggaggagc aggttacagc ccattcccc agccctggct 120
 gacctggcct agcagtttgg ccctgctggc cttagcaggg agacagggga gcaaagaacg 180
 ccaagccgga ggccccgaggc cagccggcct ctcgagagcc agagcagcag ttgaatgtaa 240
 tgctgggggac aggcattgctg ccgccagtag ggcggggacc cggacagcca ggtgactacc 300
 agtcctgggg acacactcac cataaacaca tccccaggca ggacagatcg gggaaggggt 360
 gtgtaccagg ctatgatttc tcttgatta aaatgtatta ttatt 405

<210> 2

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (61)..(61)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (464)..(464)

<223> n is a, c, g, or t

<400> 2
ggctttgaca gagtgcaaga cgatgacttg caaaatgtcg catctggaac gcaacataga 60
naccatcatc aacaccttcc accaatactc tgtgaagctg gggcaccag acaccctgaa 120
ccaggggggaa ttcaaagagc tgggtgcgaaa agatctgcaa aattttctca agaaggagaa 180
taagaatgaa aaggtcatag aacacatcat ggaggacctg gacacaaatg cagacaagca 240
gctgagcttc gaggagtcca tcatgctgat ggcgaggcta acctgggcct cccacgagaa 300
gatgcacgag ggtgacgagg gccctggcca ccaccataag ccaggcctcg gggagggcac 360
cccctaagac cacagtggcc aagatcacag tggccacggc cacggccaca gtcatggtgg 420
ccacggccac agccactaat caggaggcca ggccaccctg cctntacca accagggccc 480
cggggcctgt tatgtcaaac tgtcttggct gtggggctag gggctggggc caaataaagt 540
ctctttctcc 550

<210> 3

<211> 423

<212> DNA

<213> Homo sapiens

<400> 3
acgaagacag acatctgttg aatgattcac atcctctcaa gttaggagga tggaggcctg 60
cttcattaag aagctggggg tagggtgggg gtggggagaa cacttaacaa catggggacc 120
agtcagggga atccccttat ttctgttttg catatgagga accctagagc agccaggtga 180
ggctctctag ttttaataaaa atcatggaaa gactcttaat gcagactctt ctttaagtgtt 240
aatagggatt ttttcagctt attttggttg cagtttccaa tttttaaaaa tgttgaggta 300
atctttccca ccttcccaaa cctaattctt gtagatgcat tagtggttgaa ccaatgcttt 360
ctcatgtctc aattctttgt atatgcattc ttttcagatg tattaacaa acaaaaaccc 420
ttc 423

<210> 4
 <211> 286
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (64)..(65)
 <223> n is a, c, g, or t

<400> 4
 ccggtaatag aatagaaaag ggagagtgtc ttcattgcaat gtggcatcct ggattgggtc 60
 tcggnacaaa aacaggacat tagtgggaaa attggaaatc tgaaaaaagt ctgaatttta 120
 gttaatatat caatttcagt ctcttggttt tgacagatgt accatgggtga tgtaagatgt 180
 tgaccttggg gtaggctggg tgaagggtat acaggaactc tttgtactat ctctgcaact 240
 tctctgtaaa tctagtatca ttccaaaata aaagtttatt taattt 286

<210> 5
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 5
 gtggaagtga catcgtcttt aaaccctgcg tggcaatccc tgacgcaccg ccgtgatgcc 60
 cagggaagac agggcgacct ggaagtccaa ctacttcctt aagatcatcc aactattgga 120
 tgattatccg aaatgtttca ttgtgggagc agacaatgtg ggctccaagc agatgcagca 180
 gatccgcatg tcccttcgcg ggaaggctgt ggtgctgatg ggcaagaaca ccatgatgcg 240
 caaggccatc cgagggcacc tggaaaacaa cccagctctg gagaaactgc tgcctcatat 300
 ccgggggaat gtgggctttg tgttcaccaa ggaggacctc actgagatca gggacatgtt 360
 gctggccaat aaggtgccag ctgctgcccg tgctggtgcc attgccccat gtgaagtcac 420
 tgtgccagcc cagaacactg gtctcgggcc cgagaagacc tcctttttcc aggctttagg 480
 tatcaccact aaaatctcca ggggcaccat tgaaatcctg agtgatgtgc actgatcaag 540
 actgg 545

<210> 6
 <211> 591
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (85)..(85)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (485)..(485)
 <223> n is a, c, g, or t

<400> 6
 cagcgcaggg gcttctgctg agggggcagg cggagcttga ggaaaccgca gataagtttt 60
 tttctctttg aaagatagag attgntacaa ctacttaaaa aatatagtca ataggttact 120
 aagatattgc ttagcgtaa gtttttaacg taattttaat agcttaagat tttaagagaa 180
 aatatgaaga cttagaagag tagcatgagg aaggaaaaga taaaaggttt ctaaaacatg 240
 acggagggtg agatgaagct tcttcatgga gtaaaaaatg tattttaaag aaaattgaga 300
 gaaaggacta cagagccccg aattaatacc aatagaaggg caatgctttt agattaaaat 360
 gaaggtgact taaacagctt aaagtttagt ttaaaagttg taggtgatta aaataatttg 420
 aaggcgatct tttaaaaaga gattaaaccg aagggtgatta aaagaccttg aaatccatga 480
 cgcanggaga attgcgcatt taaagcctag ttacgcattt actaaacgca gacgaaaatg 540
 ggaagattaa ttgggagtgg taggatgaaa caattttgga gaagatagaa g 591

<210> 7
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 7
 ctcaaaggag aaaaaaaacc ttgtaaaaaa agcaaaaatg acaacagaaa aacaatctta 60
 ttccgagcat tccagtaact tttttgtgta tgtacttagc tgtactataa gtagttgggt 120

tgtatgagat ggttaaaaag gccaaagata aaagggttct tttttttcc ttttttgtct	180
atgaagttgc tgtttatfff ttttggcctg tttgatgtat gtgtgaaaca atgttgtcca	240
acaataaaca ggaattttat tttgctgagt tgttctaaaa aaaaaaaaaa aaaaaa	297

<210> 8
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 8	
agtagagacg gggtttcact gtgttagcca ggatgggtct gatctcctga cctcgtgatc	60
cggccacctc ggcctcccga aagtgtctggg attacaggcg tgagccacgg cgcccagccc	120
cagcctgtca cttaaactga taaacgacag attaacagta gaaaaatfff attttgcata	180
cataatgagg cttcacaaaa gagaagtga aacccaagta ggagtttagg gctgggggct	240
tatataccat ttaacaagggt gtgataaatt gtaagagaat ag	282

<210> 9
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 9	
tccttggttt cgatttgtgg caacaatcca gtctttttgt ttttttcagg gataccatat	60
gtaacagggtg ccattgttac tgtaactfff cacacatgcc ttcagtttga tgtcaaagtc	120
atcatttagt gtaaacagca agttatctgt taggctgcac atcatgaact ttacttttag	180
aaagtcttat cttttatgcc acagaaatag catttggcta ttagtcatgg atggcaaaga	240
aattaatfff gagttgtttg gataaaaatg tttcagttga ctgtagtgtg tattgagaga	300
cactgccagt aaacaaactc tcttggtagg tggaaatccc ctagaagtta cagaaaattg	360
ggaggaggtg aacttaatta aataacttga attgtttaga catattcaga gcttcttatg	420
accttgaaga aatcacccaa cttcaaaaga cctcggtttc ttcatttgta aaattagggg	480
gtttgactag atgtgtaaat ctagtgttga gtttaacttct aagatgtaaa aaccctcttg	540
tttaacaaaa acctacaaga tcaagttgct tatctgaaat ctttatgaat caacactagt	600

cactaagtct agctcgacc

<210> 10
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (513)..(513)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (520)..(520)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (529)..(529)
 <223> n is a, c, g, or t

<400> 10
 ctttttctcc cgctgtcccc cacggagggg actgctctcc cccgctgcat cttttctgtg 60
 aggtacctta cccacctcag cacctgagag ggtgaaatag aattctaacc tcgacattcg 120
 ggaagtgttt ttgagaagtc tcggtcggta agggaagtct tccaagtccg tgcagcacta 180
 acgtattggc acctgcctcc tcttcggcca cccccagat gaggcagctg tgactgtgtc 240
 aagggaagcc acgactctga ccatagtctt ctctcagctt ccactgccgt ctccacagga 300
 aaccagaag ttctgtgaac aagtccatgc tgccatcaag gcatttattg cagtgtacta 360
 ttgcttcca aaggatcagg ccctgagaac aatgacctta ttctctacaa cagtgtctgg 420
 gttgcgtgcc agcagatgcc tcagatacca agagataaca aagctgcagc tcttttgatg 480
 ctgaccaaga atgtggattt tgtgaaggat gcncatgaan aaatggacna gctgtg 536

<210> 11
 <211> 373
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (27)..(27)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (235)..(235)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (248)..(248)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (329)..(329)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (335)..(335)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (359)..(359)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (372)..(372)
 <223> n is a, c, g, or t

<400> 11	
aagtgggtct tgccatccct gaactgnaat catccctaac atattcatac ctgttttcat	60
tttaaaagtt gggtcagttt ttttattagt acatgtattt ctatcctact gatttatttg	120
ctatatcatc taatttagtt tgaatattcc ataatttact taattagtcc tgtatggaga	180
cctagctctt ctcagtgtct actattataa acaatgctac agtgaatatt ggtgnataaa	240
tccatacnca ccacgtacat atcttaagtt ctggaagaga tattgctaaa ccagaagata	300
acctgcattt aaaatttgac tgctagggnc agggncacat ttaattaaat tagaacaang	360
aatgcataat gnc	373

<210> 12
 <211> 796
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (601)..(601)
 <223> n is a, c, g, or t

<400> 12
 ccggaatcgc ggccgcgtcg acgaaaatat gtgccctggc caactccaca ggactagttc 60
 taggcaatct gaaggaaacc agaaaatgtg aatttctctt ccctcaaaaa gctataactga 120
 agtagtatctt aatattcaag tacttgtaaa ttgcagAAC agtacttttt aatttgaccc 180
 atgaattcta tttaaatttg tcacttaata ttagccaag aagcaaacca tctaaaaaga 240
 tttctgggtt atttctccaa ctctaataa ataggggtcac atatttttta acttttttct 300
 aatttgaaaa gtaatacagg catatgggtat tttaaaaatg aaacaacaca aagggatatg 360
 ttttgaaaag tgggtcttgc atccctgaac tgtaatcatc cctaacatat tcatacctgt 420
 tttcatttta aaagttgggt cagttttttt attagtacat gtatttctat cctactgatt 480
 tatttgctat atcatcta attagtttgaa tattccataa tttacttaat tagtcctgta 540
 tggagaccta gctcttctca gtgtctacta ttataaaca tgctacagtg aatattggtg 600
 nataaatcct acacaccacg taacatatct taagttcctg gaagagatat tgctaaacca 660
 gaagataacc tgcattttaa atttgactgc tagggtcagg gtcacattta aattaaatta 720
 gaacaaggaa tgcataatgt cttcgatagc aatctattca aggtgcaccg tggtcacaaa 780
 ggaaagcaaa actgtc 796

<210> 13
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (6)..(6)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (486)..(486)
<223> n is a, c, g, or t

<400> 13
cctggncaga ggcctctatc ctgtantgat aattgccatc aaaattgtca aaaangattt 60
aatctctatg ggnaatagtc cttttcttag cttctgccnn tcaacttgctt attttttgtg 120
tggggaatggg gttggataaa ccaatgaact ttattataaa caaatccac ctatatctan 180
caaatttata ttttcggtga aatacagata tttgcctttc tggagtanta tagaagctgt 240
caatatgtat ctactgtaca gtactaaata gtattcattt atgaaatgag tagtgtttgg 300
gtggctgggg ttaaggaaaa atgagacttg gaattgtagc ttttatccaa gttttgagta 360

taaatagggt tttgttttgt tttttttaac ctaaaaactg aaatgccata tagaaaaaca	420
gcattgtttt tacagtttgt agtaagtaac tttttaaaga ttttatcaaa aagaattttg	480
tctatngtga gtaaaagaag ttctaataat ggcctaata ctgcattttt aaaaaacaaa	540
gttcaacaca aatgacattt gttt	564

<210> 14
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 14	
cctctcctcc atctaaaggc aacattcctt acccattagt ctcagaaatt gtcttaagca	60
acagccccaa atgctggctg cccccggcca agcattgggg ccgccatcct gcctggcact	120
ggctgatggg cacctctggt ggttccatca gccagagctc tgccaaaggc cccgcagtcc	180
ctctcccagg aggaccctag aggcaattaa atgatgtcct gttccattgg	230

<210> 15
 <211> 554
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (149)..(149)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (177)..(177)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (463)..(463)
 <223> n is a, c, g, or t

<400> 15	
cccggaatcg cggcccgcgt cgacaacaaa cctgcatgtt ctgcacatgt atccaggaac	60
ttaaaaaaaa aaaaagatag tttgtgtgtc ttaattgaat aatagtagat ttatagatta	120

aagatctatg ggTTTTtaat atggattana aatctgtggg tttttgatat ggattanaaa	180
tctgtggggtt tttaatatgg attggaaatc tgtggggttt taatatggat taaaaaacat	240
ctgtggggtt ttaatatgga ttaaacaatct gtggggtttt aatatggatt aaacatctgg	300
gtttttaata tggattaaac atctgtgggt ttttaatatg ggtaaaaaat caaaagaaaa	360
tgaactatTT gctccagtgc aggaaaatac aggcaatact ggatacaatt agatggtcag	420
gagcgataac ccggttgcca ttgtttgaag aagagaataa gngctagca ttcctatccg	480
tagataatTT gacagctagg aaataggggg agtcttctat gtagttagtg aaggctaaat	540
gaactattat atgc	554

<210> 16
 <211> 610
 <212> DNA
 <213> Homo sapiens

<400> 16	
cttttctctc cgctgtcccc cacggagggg actgctctcc cccgctgcat cctttctgtg	60
aggtacctta cccacctcag cacctgagag ggtgaaatag aattctaacc tcgacattcg	120
ggaagtgttt ttgagaagtc tcggtcggta agggaagtct tccaagtccg tgcagcacta	180
acgtattggc acctgcctcc tcttcggcca cccccagat gaggcagctg tgactgtgtc	240
aagggaagcc acgactctga ccatagtctt ctctcagctt ccactgccgt ctccacagga	300
aaccagaag ttctgtgaac aagtccatgc tgccatcaag gcatttattg cagtgtacta	360
tttgcttcca aaggatcagg ccctgagaac aatgacctta tttcctacaa cagtgtctgg	420
gttgcggtgcc agcagatgcc tcagatacca agagataaca aagctgcagc tcttttgatg	480
ctgaccaaga atgtggattt tgtgaaggat gcacatgaag aaatggagca ggctgtggaa	540
gaatgtgacc cttactctgg cctcttgaat gatactgagg agaacaactc tgacaaccac	600
aatcatgagg	610

<210> 17
 <211> 359
 <212> DNA

<213> Homo sapiens

<400> 17

tggtacagat acaaactgga ctctcaggac aaaacgacac cagccaaacc agcagcccct	60
cagcatccag cagcatgagc ggaggcattt tccttttctt cgtggccaat gccataatcc	120
acctcttctg cttcagttga ggtgacacgt ctcagcctta gccctgtgcc ccctgaaaca	180
gctgccacca tcaactcgcaa gagaatcccc tccatctttg ggaggggttg atgccagaca	240
tcaccagggtt gtagaagttg acaggcagtg ccatgggggc aacagccaaa ataggggggt	300
aatgatgtac gggccaagca ctgcccagct ggggggtcaat aaagttaccc ttgtacttg	359

<210> 18

<211> 154

<212> DNA

<213> Homo sapiens

<400> 18

cgccacttat ccagtgaacc actatcacga aaaaaactct acctctctat actaatctcc	60
ctacaaatct ccttaattat aacattcaca gccacagaac taatcatatt aaaaaaaaaa	120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa	154

<210> 19

<211> 661

<212> DNA

<213> Homo sapiens

<400> 19

cagaacagta ctttttaatt tgacctatga attctattta aatttgtcac ttaatattta	60
gccagaagc aaaccatcta aaaagatttc tggtttattt ctccaactcc taataaatag	120
ggtcacatat tttttaactt ttttctaatt tgaaaagtaa tacaggcata tggatattta	180
aaaatgaaac aacacaaagg gatatgtttt gaaaagtggg tcttgccatc cctgaactgt	240
aatcatccct aacatattca tacctgtttt cattttaaaa gttgggtcag tttttttatt	300
agtacatgta tttctatcct actgatttat ttgctatatc atctaattta gtttgaatat	360
tccataattt acttaattag tcctgtatgg agacctagct cttctcagtg tctactatta	420
taaacaatgc tacagtgaat attggtgtat aaatccatac acaccacgta acatatctta	480


```

agttcctgga agagatattg ctaaaccaga agataacctg catttaaaat tttgactgct 540
agggtcaggg tcacatttaa attaaattag aacaaggaat gcataatgtc ttcgatagca 600
atctattcca ggtgcaccgt ggtcacaaag gaaagcaaaa ctgtcaataa ctttcttctc 660
a 661

```

```

<210> 20
<211> 770
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (557)..(557)
<223> n is a, c, g, or t

```

```

<400> 20
tagcatttgg ccttttaaaa catttgttta ttttttttct gagaatggct aacacacttt 60
attgaggttc gaaattaata aagaaaataa aagaaatgta tcttcattca ttctgtatgt 120
tagtgtttta attaccctta gaatatatgg ataaaaata ctattctttg tcttggagaa 180
ggtaagagtc tagttagatg aataagggtt atctatgtag aacaactaga gaatgagaag 240
agagcttatg agattgagta ctacgttatg cagtagagta gcacgtcatc tgctactgag 300
tatggtgtga taacattgtg taacaggaaa gtatgatcaa tatctactta aaattaagga 360
caatattagc actacattgc tttattttta agtaaaaatt agagaactaa acacaagcat 420
tgtaagtaca ataaaagctg atctttctag ttaagcagaa taatacatgt tcaagcatct 480
gctaaatcat taaatataag aatatagggg ttttctataa tcttattttc tttggaagag 540
tacctcattt tcaagangag aagtttctaa ttgccacttc tttaaaaata aaacagggtt 600
ttaatgttcc cagcacaaaa attaatatct cttcaaaaag tctcttgtga ttaagtttga 660
atcccttgtc atactgcttc taatattgac actgacctcc ttaggtatctt ttcagggggtt 720
ataatctttt cttaaggtat cttttttcaa gaattggata ccttgggctt 770

```

```

<210> 21

```

<211> 654
 <212> DNA
 <213> Homo sapiens

<400> 21
 cgcgtcgact tttaaagtca tctctatagg aaggtgctgg gcagggatcc cagagaaaga 60
 aaggggtccaa gactccatta actgccctgg atgaagggca ctgctacagc agctagtacc 120
 agagactctc ctatctcacg gttgaggcag acccaggata gaatagagaa taaaaggaat 180
 gcttatagga aacaattttg tatggaatgc tagatggcca agcctcagcc tttgggtccag 240
 tgcaaccctt gcctcgcttg tcaacagtga aaaattagtt tggttagaag aaccatctgg 300
 aaacacacca gcttctgcta ccttcattgct cattgttaaa aaaagattaa ccagtgtgaa 360
 cattctgata tgtaattcc agggactggt ttctttccaa tggactgttt gttggtagaa 420
 taacccccaa aagctcaaag ctaaaatgca tcatcagtc tagtcggcag ttccttaaga 480
 atggactggc ggcgtgggtg agctgatatg gaaaagctgc accttcctgc agaagatcaa 540
 ctgacctgct atcccacccc aaattcaacc tgaggtatat ttcagtgaag caggtagctg 600
 tgcttctcaa agcagagaag cagttttaag aaccaaaaag gtagaggaaa tcta 654

<210> 22
 <211> 676
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (199)..(199)
 <223> n is a, c, g, or t

<400> 22
 gtttggtaca ggcagaattg gatagataca gccctacaaa tgtatatgcc ctcccctgaa 60
 aaaaattgga tgaaaatctg cacagcaaag tgaaacacac agataatagg aacaaaatgt 120
 agttcccatg tgccaaacaa aataaatgaa atctctgcat gtttgcagca tatctgcctt 180
 ttgggaatgt aatcaaggna taatctttgg ctagtgttat gtgcctgtat ttttttaaaa 240
 tgggtacacca gaaaaggact ggcagtctac ttctaccata gttaaacttc accctcttta 300

atttcacaac atattctttg gaagcaggaa gaaatgctca taaagaggat cagaccttct	360
ttccccgtgaa accagtatatt ggcgccatat ataagcctgg tttaaattggg catctaaagc	420
tgtcaaataa gacattctgt gaaaggtaaa catcgaaact gggtataagt aaaaccatca	480
agccaacaac agggctctga gataaccttt gaagcttatt gtctggcctg caccagaaga	540
tgtctgcatt actcattgct aaaaatgtgt acacagaact gcactaggat taattgggtc	600
aagaagaaat ttaaacttac gtttggggtt ccatacagca ctctattgaa tacatgcatc	660
tgaatttaag ttgcaa	676

<210> 23
 <211> 609
 <212> DNA
 <213> Homo sapiens

<400> 23	
gaccagtaat ggcttttaag agtccatttt gtcattgtct ccctagttaa ttacagggtg	60
gggatctttt gcctctattc tttcatatt gaaatgaatc atactcatgt tttgtggaac	120
tccttaaagt tgtagctgtc atgatcagat tttttttata tttcctcagc ttaactctgc	180
tacttgattt acagtgaccc ataacctact catccttggg ttatagtgac acataatctt	240
atctctttat agaaccttaa attttatcat tattttcgct tagaatacag catttctttg	300
cttctgttgc tggtttgact taagaaataa ggcagtaact ctgatcaatc aattatccat	360
aaggaagggc ttttcatggg ttctattaat ttgttagtac cctaagtata tctgaaaaat	420
atgtctattg agagaagatt ttggcattcc agatgggata gtctatatat atttaaagtt	480
ttgaatttgc ttatatatac tcagctttct ttttctagca tttttgcatt tacctgttaa	540
ttgaagtata cccccacat ataaaagttc ctcttaaaga cactggactc tttctggggg	600
gctaaaata	609

<210> 24
 <211> 554
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (149)..(149)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (177)..(177)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (463)..(463)
 <223> n is a, c, g, or t

<400> 24
 cccggaatcg cggcccgcggt cgacaacaaa cctgcatggt ctgcacatgt atccaggaac 60
 ttaaaaaaaaaa aaaaagatag tttgtgtgtc ttaattgaat aatagtagat ttatagatta 120
 aagatctatg gggtttttaat atggattana aatctgtggg tttttgatat ggattanaaa 180
 tctgtggggtt tttaatatgg attggaaatc tgtggggttt taatatggat taaaaaacat 240
 ctgtggggttt ttaatatgga ttaaaccatct gtggggtttt aatatggatt aaacatctgg 300
 gtttttaata tggattaaac atctgtgggt ttttaatatg gggttaaaaat caaaagaaaa 360
 tgaactatgt gctccagtgc aggaaaatac aggcaatact ggatacaatt agatggtcag 420
 gagcgataac ccggttgcca ttgtttgaag aagagaataa ggngctagca ttcctatccg 480
 tagataatgt gacagctagg aaataggggg agtcttctat gtagttagtg aaggctaaat 540
 gaactattat atgc 554

<210> 25
 <211> 674
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (388)..(388)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (506)..(506)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (672)..(672)
<223> n is a, c, g, or t

<400> 25
cggctaccga cagaaggact atttcatcgc caccaggagg ccactggcac acacgggtga 60
ggacttctgg aggatgatct gggaggggaa gtcccacact atcgtgatgc tgacggaggt 120
gcaggagaga gagcaggata aatgctacca gtattggcca accgagggct cagttactca 180
tggagaaata acgattgaga taaagaatga taccctttca gaagccatca gtatacgaga 240
ctttctggtc actctcaatc agccccaggc ccgccaggag gagcagggtcc gagtagtgcg 300
ccagtttcac ttccacggct ggcttgagat cgggattccc gccgagggca aaggcatgat 360
tgacctcatc gcagccgtgc agaagcanca gcagcagaca ggcaaccacc ccatcacctg 420
gcactgcagt gccggagctg ggcgaacagg tacattcata gccctcagca acattttgga 480
gcgagtaaaa gccgagggac ttttanatgt atttcaagct gtgaagagtt tacgacttca 540
gagaccacat atggtgcaac cctggaacag tatgaaatgt gctacaaagt ggtacaagat 600
ttattgatat atttctgatt atgctaattt caatgaagat cctgccttaa atatttttta 660
atttaatggc anat 674

<210> 26
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (524)..(524)
<223> n is a, c, g, or t

<400> 26
caagactcca tctcaaaaaa aaaaaaaaaat ctacagtgcg gagtatataa aattattaac 60
acatttcaca acaatatgtg tttgtggagt taaatatttt ttgtctttaa aacaggaat 120

tttagtgc	at	taatttg	atgattaa	at	tgtagaat	taagcatt	aaatgt	180
gtttgtt	aca	ttgttca	aga	aataag	taga	aatatatt	cc	240
ttgttc	ctct	gtaaa	ctaaa	agaac	acgaa	gtaatt	gggtc	300
gccaa	atatg	ggtaa	ataag	ggaaa	at	gtt	aatatt	360
gaatatt	tga	at	tttgt	tgt	acgtct	atac	tg	420
gaggaa	agat	ggatt	tcagt	ctgtat	tttt	aaacat	catt	480
aaaata	agaa	aaaaa	attaaa	ctgcatt	ctg	ttct	ctt	540
atactg	ctgt	aatact	gtca	tgcaa	agtgt	atcct	ttt	600
gtgg	tttt							609

```
<210> 27
<211> 383
<212> DNA
<213> Homo sapiens
```

```
<400> 27
gcgggaatcg cggcccgcggt cgacctcaaa ggagaaaaaaa aaccttgtaa aaaaagcaaa 60
aatgacaaca gaaaaacaat cttattccga gcattccagt aactttttttg tgtatgtact 120
tagctgtact ataagtagtt ggtttgtatg agatgggttaa aaaggccaaa gataaaaggt 180
ttcttttttt ttcttttttt gtctatgaag ttgctgttta ttttttttgg cctgtttgat 240
gtatgtgtga aacaatgttg tccaacaata aacaggaatt ttattttgct gagttgttct 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttttaaaatt 360
tttaaaataa aacccttggt tat 383
```

```
<210> 28
<211> 729
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t
```

<220>
 <221> misc_feature
 <222> (306)..(306)
 <223> n is a, c, g, or t

<400> 28
 gccgcgtcga cctgcatgag ccacagtttc ttgactggag gccatcaacc ctcttggttg 60
 aggccttggt ctgagccctg acatgtgctt gggcactggg gggcctgggc ttctgaggtg 120
 gcctcctgcc ctgatcaggg accctccccg ctttctctggg cctctcagtt gaacaaagca 180
 gcaaaacaaa ggcagtttta tatgaaagat tanaagcctg gaataatcag gctttttaaa 240
 tgatgtaatt cccactgtaa tagcataggg attttggag cagctgctgg tggcttgagg 300
 catcantggg gccaaagggt ctctgtccct ggttcaactg tgatttggct ttcccgtgtc 360
 tttcctgggt atgccttggt tgggggtctg tgggtttggg tgggaagagg gccatctgcc 420
 tgaatgtaac ctgctagctc tccgaagccc tgcgggcctg gcttgtgtga gcgtgtggac 480
 agtgggtggc gcgctgtgcc tgctcgtgtt gcctacatgt ccctggcttg ttgaggcgct 540
 gcttcaacct gcacccctcc ttgtctcata gatgctcctt ttgacctttt caaaattaat 600
 atggatggga aagctcctat gccttttggc ttcttggtag aaggcgggat gcccaagggt 660
 ctgcctgggt gtggattgga tgcttggggg gtggggggtg gaaactgtct tgtggcccac 720
 ttgggcccc 729

<210> 29
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 29
 gccgcgtcga cttttaaaagt catctctata ggaagggtgct gggcagggat ccagagaaa 60
 gaaaggggtcc aagactccat taactgccct ggatgaaggg cactgctaca gcagctagta 120
 ccagagactc tcctatctca cggttgaggc agaccagga tagaatagag aataaaagga 180
 atgcttatag gaaacaattt tgtatggaat gctagatggc caagcctcag cctttgggtcc 240
 agtgcaacct ttgcctcgct tgtcaacagt gaaaaattag tttgggttag agaaccatct 300

ggaaacacac cagcttctgc taccttcatg ctcattgtta aaaaaagatt aaccagtgtg	360
aacattctga tctgttaatt ccagggactg ttttctttcc aatggactgt ttgttggtag	420
aataaccccc aaaagctcaa agctaaaatg catcatcagt cctagtcggc agttccttaa	480
gaatggactg gcggcgtggg tgagctgatt tggaaaactg cccttctgca aaaaacactg	540
gcctgctttc ca	552

<210> 30
 <211> 606
 <212> DNA
 <213> Homo sapiens

<400> 30	
caagactcca tctcaaaaaa aaaaaaaaaat ctacagtgtg gagtatataa aattattaac	60
acatttcaca acaatatgtg tttgtggagt taaatatttt ttgtctttaa aacaggtaat	120
tttagtgcac acttaatttg atgattaaat atggtagaat taagcatttt aaatgttaat	180
gtttgttaca ttgttcaaga aataagtaga aatatattcc tttgtttttt atttaaattt	240
ttgttcctct gtaaactaaa agaacacgaa gtaattggtc acaattactg gtgtttaact	300
gccaaatatg ggtaaataag ggaaaatttt gttaaatatt tagtccttct gagatggctt	360
gaatatttga attttgttgt acgtctatac tgggtagtca caagtcttat aaacacttta	420
gaggaaagat ggatttcagt ctgtattttt aaacatcatt tattttaaat ctggtgctga	480
aaaataagaa aaaaattaaa ctgcattctg ctgttcttct ttagaagcat tcctgcgtaa	540
atactgctgt aatactgtca tgcaaagtgt atcctttctt gtcgtatcct ttttggggca	600
gtgggt	606

<210> 31
 <211> 734
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (448)..(448)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (617)..(617)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (663)..(663)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (677)..(677)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (706)..(706)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (710)..(710)
 <223> n is a, c, g, or t

<400> 31
 ctggactgca tgaccagatc tgatgggtga gactcaggtg gcatggaaga gccgaaagag 60
 gataccatat gtgggtgccg ggggggatag gtgagaagta ctagaaggcg gaatggaagg 120
 acacttctgc tcagctctgt gacacgggca gggaccctgc agggctcagg tcctttaaca 180
 cagcagcttc attctaacac cagcagcggt ggaacacacg tacaagtatg cagactaagc 240
 tcttgcttgg ctgatacggc tttttgggtt tttagagaac atgcatatat gttctcattc 300
 atggtacatg aactcagaag ccttactgcc tattttttgtt aatacttctg ggcaaacatt 360
 accacttaca actcacacca gttagaaatc atttgtaaaa tgttatttaa taaagccaaa 420
 gaactaaatc atatttatatt tccaaggntt tctaagatct ctgaaactaa tgagggtttt 480
 taaatcccca ttaagtactc atcactgcta gtaaaagcag ttgtctttac ctttaattcc 540
 agtgagtccc cttaaattta ttttttatta tctttggcta cattgcctta gacaaaatgt 600
 ggtcacccta atttaangga taaaattcac atcctcacag atttcttatt aagaggggtct 660
 aanccttgaa taatcancag tggaaatgga agtcttcttt actggntttn atcctttccc 720

ttttttatcc catg

734

<210> 32
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<400> 32
ttttttttta aataaagctg tcggcactca agggtaattt catatcagtg tgntctacaa 60
gctgggggaa aatgagttct aattgtcana gctaccaaat ccttcacctt tagcataaag 120
gtttaaagat atcacaaaga tgccaagtga ttaataatgt tttaaaccac ccctttttct 180
gtctgaaaaa acaactaaaa caatattaca acagtatagt tacagaaggg ttctattttc 240
atatgtttta tgcacactgt gcctcaaagg tactatttaa atatataac ttttgagggg 300
gtggctaatz cagaaacacc caagacctaa ggaagataca accccatttc taggtgtgag 360
gtctaaatzc ttcacacacc cacttgtgac cttttttcat gaagaatzat aacactgtgc 420
agtgagaaac agtggcaaag caatactgaa agcattttta attatttact aggttaaaag 480
ggtgaactga tacttttaatz acatcaaatt tcatcat 517

<210> 33
<211> 536
<212> DNA
<213> Homo sapiens

<400> 33
gcaagtgaga gccggacggg cactgggcga ctctgtgcct cgctgaggaa aaataactaa 60
acatgggcaa aggagatzct aagaagccga gaggcaaaat gtcatzatat gcattttttg 120

tgcaaacttg tcgggaggag cataagaaga agcaccacaga tgcttcagtc aactttctcag	180
agtttttctaa gaagtgctca gagaggtgga agaccatgtc tgctaaagag aaaggaaaat	240
ttgaagatat ggcaaaagcg gacaaggccc gttatgaaag agaaatgaaa acctatatcc	300
ctcccaaagg ggagacaaaa aagaagttca aggatcccaa tgcaccaag aggcctcctt	360
cggccttctt cctcttctgc tctgagtatc gcccaaaaat caaaggagaa catcctggcc	420
tgtccattgg tgatggtgcg aagaaactgg gagagatgtg gaataacact gctgcagatg	480
acaagcagcc ttatgaaaag aaggctgcga agctgaagga aaaatacgaa aaggta	536

<210> 34
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (8)..(8)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (25)..(25)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (65)..(65)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (79)..(80)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (103)..(103)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (143)..(143)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (481)..(481)
 <223> n is a, c, g, or t

<400> 34
 ctgtnatnga atctgcttgt nactnaaatg ctaaactcaa ttctgtaatt caataggtgc 60
 acctntctga gaaacatann agacaatgag gaaaaggatt cancattccg tggaatttgt 120
 accatgatca gtgtgaatcc cantggcgta atccaagtaa gatgttcaca aagatttggt 180
 tttaatgtct aattaataaa attttaaagg aagaaacatt ctaatacttt aattataaaa 240
 agttaactat tttcaaaggt atcaaaatac agttaaacct ttaaaatgta tattttcttaa 300
 tatcttgaaa ttgtaatgcc tttttttttt cctaaatttt ttttgtcatg aaatgagata 360
 gtaacagcag attgggacaa caaggttata ttcttgtctt gaatcaggcc atggcttctt 420
 tcatccaaat ttcagacctc atttatttac tttgtccctg cctcccatcc ctggatatca 480
 ngtttgtgga tatctacagt taatagagt accaaatagt aggaatactg tctctctatt 540
 ctgaataaaa tactttgaat cagatttga aataatgaat aaaatacaaa tcaccattga 600
 aattgctcta attttgagag ct 622

<210> 35
 <211> 628
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

```

<400> 35
atcacntgag gcaagagttt gagccagcct agctaacatg gtgaaacccc atctctacaa      60
aaatataaaa attagcctgg gtggtgatgg gcacctgtaa cccagctac tggggaggct      120
gaggtaggag aatcacttga acccgggaga tggaggttgc agtgagccaa gatcgtgcca      180
ctgcactcca gcctgtgtga cagaacaaga ctctgtctca aaaaaaata ataataataa      240
taataataaa aaggaataac atagctagga ataaatttaa tcaaagaggt gaaagactta      300
tacacttaaa actacaaaaa aaaaatcact gaaggaatta tagacccaa taaaaataaa      360
taaaaagaca ttctgtgttt tagggaaaga agacttaata ttgttaagat gtcaatacta      420
cccaaagtga tctacagatt caacataatc cctatcaaaa ttccaacagc ctactttgta      480
gaaatggaaa agccaatttt caaatcaga tgggaattgcg aggggttctg aataacaaaa      540
acaatcttgg ggaaaaaaaa caaaaaacaa agtcaaagaa ctcacacttc tctatttata      600
aatttactac aaagttatag taatcaaa                                         628

```

```

<210> 36
<211> 527
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (525)..(525)
<223> n is a, c, g, or t

```

```

<400> 36
tgaacatcca gccatgtcat ttcttccatt cctgccctgg agtaaagtag atttactgag      60
ctgatgactt gtgtgcattt gtacattgca accttagctt acctcttgaa gcatgtagag      120
cattcatcac ccaccattca ttcaactgcct actcccacca cagctgtttc gtggtctgtc      180
tgctccctgt gccaccccca ccccatcagg tgggcctttt gcaagtgatg aagtcacctg      240
tgggggaaga gctttccttt cctctcctca actcagaagg cctcttcctc ttgctcaaga      300
gggtgctgct gctttctgcc tccttccccg gccggcctcc atcccagttc accttttcag      360
aaatggcccc tcagtcaact cttccctttt ctctgggctt tttatttctc ccagtctctt      420

```

aagagtatcc ttagctttaa aaacaataac acagaggatg ggtgcagtgg ctcatgcctg 480
 taatcccagc actttggagc ctggggcggg cggatcactt gaggnca 527

<210> 37
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 37
 gtcccgaat cgcggccgcg tcgacctttt ctatgcctgc tatataaaca gtaccttgca 60
 agatgtcctg tctgatatcc acaaaggggt attgtcaacc ccaagttcag acagctttgt 120
 attcttctgt ccttggatac atgaattact gccatcttta cacagcgccc taaaatacca 180
 acgcgaagtt acctgctcag cttgaagctg cgctgtaccc tggaaccagc acttctgctg 240
 aatgactcag gatgaagcct cgacttctcc ttcccatccc atgccagac cccagtggct 300
 cctttcccaa tctgatccag tgactttaag tccagctgtt gcaacctggg catgaggagg 360
 agtgcaagat ggctttgtcc tacctggaaa gaggctttct gga 403

<210> 38
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 38
 caccatttac acacagtggg tccttgaata gcatcgtttt attcaatgtc attttgttat 60
 aacattgaga aaaaaattga ttcccggctg gggccactgt ctgtgcaccg t 111

<210> 39
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 39
 gaaagatcta aaatcgacac cctaacatca caattaaaag aactagagaa gcaagagcaa 60
 attcaaaagc tagcagaagg caagaaataa ctaagatcag agcagagctg aaagagatag 120
 agacacaaaa aaccattcaa aaaaaaacia tgaatccagg agtttttttt ttaaaaagat 180

caacagaatt gacagactgc tagcaagact aataaagaag agagaagcat caaatagact	240
caataaaaaa tgataaaggg gatatcacca ccaatcccac agaaatacaa actaccatca	300
gagaacacta taaacacctc tatgcaa	329

<210> 40
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 40	
gaaagatcta aaatcgacac cctaacatca caattaaaag aactagagaa gcaagagcaa	60
attcaaaagc tagcagaagg caagaaataa ctaagatcag agcagagctg aaagagatag	120
agacacaaaa aaccattcaa aaaaaaacia tgaatccagg agtttttttt ttaaaaagat	180
caacagaatt gacagactgc tagcaagact aataaagaag agagaagcat caaatagact	240
caataaaaaa tgataaaggg gatatcacca ccaatcccac agaaatacaa actaccatca	300
gagaacacta taaacacctc tatgcaaata aactagaaaa t	341

<210> 41
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 41	
gaaagatcta aaatcgacac cctaacatca caattaaaag aactagagaa gcaagagcaa	60
attcaaaagc tagcagaagg caagaaataa ctaagatcag agcagagctg aaagagatag	120
agacacaaaa aaccattcaa aaaaaaacia tgaatccagg agtttttttt ttaaaaagat	180
caaca	185

<210> 42
 <211> 553
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (119)..(119)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (121)..(121)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (157)..(157)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (205)..(205)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (214)..(214)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (216)..(216)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (229)..(229)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (252)..(252)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (327)..(327)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (329)..(329)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (354)..(354)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (361)..(361)

<223> n is a, c, g, or t

<400> 42

gcccggaatc gcggccgcgt cgacgtaagc tcggctgaat ccacgggttca agaacaggaa	60
agaaggccaa ggcataggga gtggggcagt tgggtgaata ttagtacctt tccctcagnt	120
ncattaatta cccctgccta ctctgcacaa aaggatntaa caacagtttc ctttttaatg	180
gccaggtaca gctgcttata tggangggca tttntnaatg atatccttna tcaactgtctt	240
aatcatcaca tncctaaaac aatcacttta ttgtgttaag gaagataaaa atggctgggt	300
tcaatttccg ttctggaaga aatcgantna aaaggtaacc atttaataat gcanagggca	360
ntttcactgc agaccctaact actggaaatt tttaaaaaca aatgaaaaac ttctactttt	420
tcttctaagc ttacttaacc acccaaattt tccagccaca tatcttccta gtctacaact	480
gcctttaact ttaagagatg ctcaaaaaaa tgtaaattct caaatacatt cttattacaa	540
ttactgctaa cct	553

<210> 43

<211> 510

<212> DNA

<213> Homo sapiens

<400> 43

ccagtgtgct gggattacag gcatgagccc tgcaccagc ctcttaaact gatcatatga	60
tattggttct caaccaaggg tgactttgcc cccagaggat acttggcaat gtctggagat	120
actcagttgt catgacttgg acaggtgcta ctgtcaccca gtgggtagag gtcagggatg	180
gtgctaaaca taggacagct gtcaagagaa aagaatgtac ccagcccaa atgtcagtag	240
ggctgaggtt gagaaacca gctgtagctg acgtgtgaag gacagactgg cctggaagtg	300
tgttttctgc ccctttccac ccctgcatat tagttaaggc caaaggaaaa aaggaatgca	360
ggaaatgccc gttaaaaatc ttcaaaacaa tataaatga tcaattccac taaaaccctt	420
tacacattta agtataaagg tattggtagg aaaatttggt attcactgct tttctcagt	480

tcattgaaata attattttctg ctgtcagttt

510

<210> 44
<211> 335
<212> DNA
<213> Homo sapiens

<400> 44
aaaaaaaaa tcaactgaagg aattatagac ccaaataaaa ataaataaaa agacattctg 60
tgtttttaggg aaagaagact taatattggt aagatgtcaa tactacccaa agtgatctac 120
agattcaaca taatccctat caaaattcca acagcctact ttgtagaaat ggaaaagcca 180
attttcaa at tcagatggaa ttgcgagggg ttctgaataa caaaaacaat cttggggaaa 240
aaaaacaaaa aacaaagtca aagaactcac acttctctat ttataattta ctacaaagtt 300
atagtaatca aagtcgacgc ggccgcgatt ccggg 335

<210> 45
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<400> 45
cgactgcggc tcttcctcgg gcagcgggaag cggcgcgggc gtcggagaag tggcctaaaa 60
cttcggcggtt gggtgaaaga aaatggcccg aaccaagcag actgctcgta agtccaccgg 120
tgggaaagcc ccccgcaaac agctggccac gaaagccgcc aggaaaagcg ctccctctac 180
cggcggggtg aagaagcctc atcgctacag gcccgggacc gtggcgcttc gagagattcg 240
tcgttatcag aagtcgaccg agctgctcat ccggaagctg cccttccaga ggttggtgag 300
gganatcgcc cagg 314

<210> 46
<211> 537

<212> DNA
<213> Homo sapiens

<400> 46
gcaattttaat ttttaataac aaagatactg tattttaaca tggtgaaata tacttggcta 60
agtccagatt aaaaaaaaaa agtatctagc ccaacagtac aattatacag ctttgtacag 120
aacattccat agatcaacag aaaatacatt tgagcgcaaa aataaaaaat atttaaggag 180
aatctctaag cagcatttta tttctgcaaa agacatatct tgtctgatta aatatctaca 240
agtgccttttc ctttcaaaaa tacatatatt cttaatagac taagtcatta acaatgacct 300
ggtaattcctt tcacttcaat ttgaatgatt tataagctaa atcttcaacc acaaaaaggt 360
ttttatttgt attaagatgt taccactttt gacaaaaagc ttaaaatatt ttatatttca 420
aaggaaaatt agcaacataa ctttacaata tattctatga tatttttgatt gtgaggggcta 480
ctctatttaa aactgatgat ctctgttggtg ttgctcagat gcaggaaagc agcaaaa 537

<210> 47
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<400> 47
gacttanatc taaatggacc acattctcta cttaaaaaaa tgctattaac catgtgatct 60
tctcagtcac gaggtaatct ggtgactacc cttcctcaaa gccagttggg atattccttg 120
aatagagtaa aacagtgttt ctaggctggg agacaccaga catagttgag gacagaggtg 180
ctagaaaata ggaagttaa aagcatgtgc ggtgatgctc agaggaggta aaccccaccc 240
tcatgctcat agcttccaat cattttctct agttcttaac tcttaaagt gagaaatgct 300
tgaagattct agtcatctga agaaagtctc tttattaaag attttcataa aagagaccaa 360
agcagacaaa cagaaaaaga catcttgggg aaaaaaaca ggataatggg aagagaagga 420
aagttttaaa aattatcaat atcctcaggg ggacaaaata ttatattccta taaagacaga 480

tttttatttt ttaaaaaat agaaagcaaa acaagctcct aaaaataaag ttg 534

<210> 48
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 48
 gttaaggaag tcagcactta cattaagaaa attggctaca accccgacac agtagcattt 60
 gtgccaattt ctggttggaa tggtgacaac atgctggagc caagtgctaa catgccttgg 120
 ttcaagggat ggaaagtcac ccgtaaggat ggcaatgcca gtggaaccac gctgcttgag 180
 gctctggact gcacccctacc accaactcgt ccaactgaca agcccttgcg cctgcctctc 240
 caggatgtct acaaaattgg tggattggg actgttcctg ttggccgagt ggagactggg 300
 gttctcaaac ccggtatggg ggtcaccttt gctccagtca acgttacaac ggaagtaaaa 360
 tctgtcgaaa tgcaccatga agctttgagt gaagcttttc ctggggacaa tgtgggcttc 420
 aatgtcaaga atgtgtctgt caag 444

<210> 49
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 49
 ctttgaagaa ctttgccaaa tactttctta ccaatctcat gaggagaggg aacatgctga 60
 gaaactgatg aagctgcaga accaacgagg tggccgaatc ttccttcagg atatcaagaa 120
 accagactgt gatgactggg agagcgggct gaatgcaatg gagtgtgcat tacatttgga 180
 aaaaaatgtg aatcagtcac tactggaact gcacaaactg gccactgaca aaaatgaccc 240
 ccatttgtgt gacttcattg agacacatta cctgaatgag cagggtgaaag ccatcaaaga 300
 attgggtgac cacgtgacca acttgcgcaa gatgggagcg cccgaatctg gcttggcgga 360
 atatctcttt gacaagcaca ccctgggaga cagtgataat gaaagctaag cctcgggcta 420
 atttcccat agccgtgggg tgacttcctt ggtcaccaag gcagtgcatt catgttgggg 480
 tttcctttac cttttctata agttgtacca aaacatccac ttaagttctt tgatttgtcc 540

attccttcaa ataaagaaat ttggta 566

<210> 50
<211> 400
<212> DNA
<213> Homo sapiens

<400> 50
ttttgggggtt tatatataag cctgggttctt gctgaaactg cttatgttga taaccagtta 60
gtgagttcct ctctattgac ttgctgggaa gtttatagag acatttttta tgcattcaga 120
gatttcagta caaatcttga aaaagggaca tttaggccgg gcgcggtggc tcacatctgt 180
aaccttagca ctctgggagg ctgaggtggg tggatcatga agtcaagaga tagagaccat 240
cctggcaaaa attagctggg cgtggtgggg tgcgcccgtg gtcccagcta ctcgggaggc 300
tgaggcagga gaattgcttg agcccgggag gcggagggtt cattgagccg agatagtgcc 360
actgcactcc agcctggaca acagagcgag actgtgtctt 400

<210> 51
<211> 562
<212> DNA
<213> Homo sapiens

<400> 51
ctaaggggtt aaagatggaa agaggcattg atgaacagct ggggaaggag tagtttgagg 60
tagatgtgca gatggaatga agagaaggct tcaagaagag ggtggagcca aagagggctg 120
cagatttaga aggctaaagt ctttagatgg ctttggatag cctgttgtat cttggaccat 180
gcaggttaca gtggagcatg gagtggggac agaagtggag gaaggaacca ggggaacatgg 240
agtgagaagc taaaggaaaag tgatgcagta gatacatggc tctaaagtac tcaggacttt 300
cagaggctta aacatagggg gaccaactat ccactatgc ctgatactaa gggcattccc 360
tggatgtgga cttttcattc cccaaattag gaaagtcttg ggcataccaa gacaagttgg 420
ccaccctact caaaagtatg taagctaaca tatctgttct ctaagagggt aaagctggat 480
ggggatacca gatgtatgta cgtgatgcag ttaaacagca atacaagggg gcaagtctac 540
ctgatcggcc aattcaatgg ga 562

<210> 52
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 52
 gaagccaaac caaaggagct tctacttcat gatgccattt atgtaaagtt caggcagaga 60
 aaatcagtgg ttttaagaagt tagaataatg attatctttg gagggattgc aactggaaga 120
 agtcatgatt gggatttctg ggtcctaata gtgctctgtg tcttgatctg agtgccgact 180
 acatgagtgg ttaggtttgc aaaattcatt gagttatgca cttaatggtg ttgtcttatt 240
 agagctgatg gaggagagag ggcttcaatt tgcacaactg agtaatcagc taggcccagt 300
 cactaggtga acaacttact gctccaatca gccttagagc aggaatcaaa ctcattgtctc 360
 agaaaagtta ttaattcagc ttgtcttggg acttccttca gagtcactct tgaatagctg 420
 aaatagtaaa tgttaaatct gtggatgcaa gtgtgtaaat tatttttagtc atcagctcta 480
 ataagatggc ctttggggaa atgagtataa ggtcacgaaa atgaaatggc aagaaggagg 540
 tctactatth cttctgtaat actgattttt accccatcag ggtcagtccc cagaggttgt 600
 aaatgtgaag cttgtctttt tctttaataa 630

<210> 53
 <211> 685
 <212> DNA
 <213> Homo sapiens

<400> 53
 ctttggacac taggaaaaaa ccttgtagag agagtataaa atttaacacc catagtaggc 60
 ctaaaagcag ccaccaatta agaaagcggt caagctcaac acccactacc taaaaaatcc 120
 caaacatata actgaactcc tcacacccaa ttggaccaat ctatcaccct atagaagaac 180
 taatgttagt ataagtaaca tgaaaacatt ctctccgca taagcctgcg tcagattaaa 240
 aactgaact gacaattaac agcccaatat ctacaatcaa ccaacaagtc attattaccc 300
 tcaactgtcaa cccaacacag gcatgctcat aaggaaagg taaaaaaagt aaaaggaact 360
 cggcaaatct taccocgcct gtttaccaaa aacatcacct ctagcatcac cagtattaga 420

ggcaccgcct gcccagtgac acatgttttaa cggccgcggt accctaaccg tgcaaaggta	480
gcataatcac ttgttcctta attagggacc tgtatgaatg gctccacgag ggttcagctg	540
tctcttactt ttaaccagtg aaattgacct gcccggaag aggcgggcat aacacagcaa	600
gacgagaaga ccctatggag ctttaattta ttaatgcaaa cagtcctaac aaaccccagg	660
tcctaaactc caaacctgca ttaaa	685

<210> 54
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 54	
cgacccggaa ttcgcggccg cgtcgactga gttcttgaca agagtgtttt tcccttcccg	60
tcacagagtg ggcccaacga cctacggcac tttgaccccg agtttaccga agagcctgtc	120
cccaactcca ttggcaagtc ccctgacagc gtccctcgta cagccagcgt caaggaagct	180
gccgaggctt tcctaggctt ttcctatgcg cctcccacgg actctttcct ctgaaccctg	240
ttagggcttg gttttaaaagg attttatgtg tgtttccgaa tgttttagtt agccttttgg	300
tggagccgcc agctgacagg acatcttaca agagaatttg cacatctctg gaagcttagc	360
aatcttattg cacactgttc gctggaagct ttttgaagag cacattctcc tcagtgaagc	420
catgaggctt tcatttttat tcttccttcc aacgtggtgc tatctctgaa acgagcggtta	480
gagtgccgcc ttagacggag gcaggagttt cgtagaaaag cggacgctgt tct	533

<210> 55
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (462)..(462)
 <223> n is a, c, g, or t

<400> 55	
gaatccctag aaaaagagaa ttcccaactt gatgaggaaa acttagaact gcgaaggaat	60

gtagaatctt tgaagtgtgc aagcatgaaa atggctcagc tacagctaga aaacaaagaa	120
ctggaaagtg aaaaagagca acttaagaag ggtttggagc tcctgaaagc atctttcaag	180
aaaacagAAC gcttagaagt tagctaccag ggtttagata tagaaatca aagactgcaa	240
aaaacttttag agaacagcaa taaaaaatc cagcaattag agagtgaact acaagactta	300
gagatggaaa atcaaacatt gcagaaaaac ctagaagaac taaaaatatt tagcaaaaga	360
ctagaacagc tggaaaaaga aaataaatca ttagagcaag agactttctca actggaaaag	420
gataagAAC aattggagaa ggaaaataag agactccgac ancaagcaga aattaaagat	480
ccacatttga agaaaataat gtgaagattg gaaatttga aaa	523

<210> 56
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 56	
ctttgaagaa ctttgccaaa tactttctta ccaatctcat gaggagaggg aacatgctga	60
gaaactgatg aagctgcaga accaacgagg tggccgaattc ttccttcagg atatcaagaa	120
accagactgt gatgactggg agagcgggct gaatgcaatg gagtgtgcat tacatttgga	180
aaaaaatgtg aatcagtcac tactggaact gcacaaactg gccactgaca aaaatgaccc	240
ccatttgtgt gacttcattg agacacatta cctgaatgag caggtgaaag ccatcaaaga	300
attgggtgac cacgtgacca acttgcgcaa gatgggagcg cccgaatctg gcttggcgga	360
atatctcttt gacaagcaca ccctgggaga cagtgataat gaaagctaag cctcgggcta	420
atttcccat agccgtgggg tgacttcctt ggtcaccaag gcagtgcatt catgttgggg	480
tttcctttac cttttctata agttgtacca aaacatccac ttaagttctt tgatttgtcc	540
attccttcaa ataaagaaat ttggta	566

<210> 57
 <211> 616
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (571)..(571)
 <223> n is a, c, g, or t

<400> 57	
gacccggaat cgcggccgcg tgcaccattt tagccaaggt gcctctatag gggccaagac	60
atcatgtgcc cagacctaa gtcaggaatg tcatatTTTT ctgttaaaat cattttattt	120
ctgtgtatct tacctttaaa tcattgtggt ttactctgag attctgtagt cctaatatg	180
tatcattgtg ctgtctgcaa aacaacttga atctatTTTT tttgcatctt ttgttacatg	240
taacgcagct gtactttatg ttctttgcaa ctgtttccat tatgagaacg ctgtgctatt	300
tacaaggtta catttttctt ggccaggcga ggtggcatg cctgtgatcc cagcactttg	360
ggaggccaag gtgggcggat cacttgaggt aaagagttga gaccagcctg gctagcatgg	420
cgaagcccag tctctactaa aaatacaaaa attggccggg tgaaattagc cgggcgtggt	480
ggtgtgtgct tgtaatccca gctactcggg aggctgaggc aggagaatcg cttgaatccg	540
ggaggcagag gttgcagtga gccaaagatca ngccactgca ctccacctcg gggccaagag	600
cgaaactctg tctcaa	616

<210> 58
 <211> 598
 <212> DNA
 <213> Homo sapiens

<400> 58	
ccgttttagt caggatggtc tcgatctcct gacctcgtga tccgcctgcc tcggcctccc	60
aaagtgtctgg gattacaggc gtgagccacc gcgcccggcg taaatcaggt tttttaaatg	120
tttgccaaac cttatcactg acttttataa caaaattatt tactataatc attaggggaat	180
atttaagttc tgctaatact taaaattgca gagtgctaaa accagcagtg agtttagaat	240
caagctaagc tttattgttg ctactatTTT aggcatatta gttgactggg gttcatatgc	300
aaggcagtct actgggtgca acaagggtta gaaggatatt tttaaaaaac tgaccctatt	360
ctcaggatga aaataatata ctagtaatag tctgctctgt tggttaactc ctcgtaagga	420

ggtcaattaa aatgctgtag tgttgcaagg gaaggagagg aagaatcata ttccttcact 480
 agcaggatca agaaagcttt tatagaaata tacaaaatct tcacttcttg aaggattggt 540
 aaaatttaat agccaacatt gggcacttat tcattctctg agtaaataatt tattgcat 598

<210> 59
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 59
 cttaaatcta aatggaccac attctctact taaaaaatg ctattaacca tgtgatcttc 60
 tcagtcatga ggtaatctgg tgactaccct tcctcaaagc cagttgggat attctttgaa 120
 tagagtaaaa cagtgtttct aggctgggag acaccagaca tagttgagga cagaggtgct 180
 agaaaatagg aagtttaaaa gcatgtgcgg tgatgctcag aggaggtaaa cccaccctc 240
 atgctcatag cttccaatca ttttctctag ttcttaactc ttaaatgtga gaaatgcttg 300
 aagattacta gtcacttgaa gaaagtctct ttattaaaga ttttcataaa agagaccaa 360
 gcagacaaac agaaaaagac atcttgggga aaaaaacaag gataatggga agagaaggaa 420
 agtttttaaaa attatcaata tcctcagggg gacaaaatat tatatcctat aaagacagat 480
 ttttatTTTT taaaaaaata gaaagcaaaa caagctccta aaaa 524

<210> 60
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 60
 gacccggaat cgcggccgcg tcgacggaag ctctgcccc tcctaaagct gaagccaaag 60
 cgaaggcttt aaaggccaag aaggcagtgt tgaaaggtgt ccacagccac aaaaagaagg 120
 agatccgcac gtcaccacc ttccggcggc cgaagacact gcgactccgg agacagccca 180
 aatatcctcg gaagagcgct cccaggagaa acaagcttga ccactatgct atcatcaagt 240
 ttccgctgac cactgagtct gccatgaaga agatagaaga caacaacaca cttgtgttca 300
 ttgtggatgt taaagccaac aagcaccaga ttaaacaggc tgtgaagaag ctgtatgaca 360

ttgatgtggc caaggtcaac accctgattc ggctgatgg agagaagaag gcatatgttc	420
gactggctcc tgattacgat gctttggatg ttgccaacaa aattgggatc atttaaactg	480
agtccagctg cctaattctg aatatatata tatatatata tcttttcacc ataa	534

<210> 61
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 61	
ggggagcccc ctcttcctc agttgttct actcagactg ttgcactcta aacctaggga	60
ggttgaagaa tgagaccctt aggttttaac acgaatcctg acaccacat ctatagggtc	120
ccaacttggg tattgtaggc aaccttcctt ctctccttgg tgaagaacat cccaagccag	180
aaagaagtta actacagtgt tttcctttgc accgatcccc accccaattc aatcccggaa	240
gggacttact taggaaacct ttctttacta gatatcctgg cccctgggc ttgtgaacac	300
ctcctagcca catcactaca gtacagttag tgaccccagc ctctgccta cccaagatg	360
cccctcccca ccctgaccgt gctaactgtg tgtacatata tattctacat atatgtatat	420
taaaactgca ctgccatgtc tgcccttttt tgtggtgtct agcattaact tattgtctag	480
gccaaagcgg ggggtgggagg ggaatgccac ag	512

<210> 62
 <211> 642
 <212> DNA
 <213> Homo sapiens

<400> 62	
ttttggcatt acttaatcca attataaaaa ctgaattttt aaaaaacagc acttgttttt	60
tcttccaaga ttaatttgaa tttttttatg gacattagaa aacattgcag tttagtcata	120
atcaaaaata aatccttgagg ctggtagagc agctttgttg ctgtttatat ttttattgct	180
tactggattt cagtgttacc tagtgccatc agtttggtat tttgccacct tgcacattca	240
gtgatgtttg atttttcttt ttcctttttt tcatattact tttaaatcct gaatagtttg	300
tggcagctgg agatcaccta gtccaccact gtccaacatg gcaatggtaa gtaatattga	360

gtaaagaata gaaaattagt aaaatgcatg gcttcagaat tatagcaatt tgcaaaatag	420
gttaatggat gaaaattaga atgaccagtt taactttccc cccagcagat tcttctgtta	480
aacaatgccc cttcaaaata aaggaagaac aagtgggtgt tatacctatg ttatttggct	540
atgttagcac aatatgatgg actaatttga gaaaaagcat ttacttcctt tactattact	600
tcttttcttt atagggctaa gtctgccttc tgggtccttg aa	642

<210> 63
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (441)..(441)
 <223> n is a, c, g, or t

<400> 63	
gaagaagcgc gaagagccgt tagtcatgcc ggtgtggtgg cggcggcgga gactgcgggc	60
ccgtagctgg gctctgcgag gtgcaagaaa gcctttgagg tgaagggtga tgaaagtc	120
cataacagat gttttccaaa aacttgtaga aggttgtgaa aaaactacta ggatcacgcg	180
gcatgtattg agcatatagg ttgctgtaga tgaatgttct tagctgtcat gtttaaaaat	240
acttctgctt cgttacctca agtgtggcat gcagcatttt ggaaggaaaa ttgaagacgt	300
gttcaagaaa acatgaacag aagcaaatga tgaaaatgag cattttactt gatgttgata	360
acatcacaat aaattatgga gaaaaataca tatttggcta acttttaatt gctgaacaat	420
aaagtgtttt cttttaaatc naaaaa	446

<210> 64
 <211> 629
 <212> DNA
 <213> Homo sapiens

<400> 64	
gaagccaaac caaagggagc ttctacttca tgatgccatt tatgtaaagt tcaggcagag	60
aaaatcagtg gtttaagaag ttagaataat gattatcttt ggagggattg caactggaag	120

aagtcacgat tgggatttct gggctcctaag agtgctctgt gtcttgatct gagtgccgac	180
tacatgagtg gttagggttg caaaattcat tgagttatgc acttaatggg gttgtcttat	240
tagagctgat ggaggagaga gggcttcaat ttgcacaact gagtaatcag ctaggcccag	300
tcactaggtg aacaacttac tgctaccaat cagccttaga gcaggaatca aactcatgtc	360
tcagaaaagt tattaattca gcttgtcttg ggacttcctt cagagtcact cttgaatagc	420
tgaaatagta aatgttaaag ctgtggatgc aagtgtgtaa attatttttag tcatcagctc	480
taataagatg gcctttgggg aatgagtat aaggtcacga aaatgaaatg gcaagaagga	540
gggtctactat ttcttctgta atactgattt ttaccccatc agggtcagtc cccaaagggt	600
gtaaatgtga agcttggtct ttttcttta	629

<210> 65
 <211> 366
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (270)..(270)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (280)..(280)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (310)..(310)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (359)..(359)
 <223> n is a, c, g, or t

<400> 65	
gaccctattc tcaggatgaa aataatacac tagtaatagt ctgctctggt ggttaactcc	60
tcgtaaggag gtacaattaa aatgctgtag tgttgcaagg gaaggagagg aagaatcata	120

ttccttcact agcaggatca agaaagcttt tatagaaata tacaaaatct tcacttcttg	180
aaggattgggt aaaattttaat agccaacatt gggcacttat tcattctctg agtaaatatt	240
tattgcatgc ttatcttgta tcaacattgn gatgaaagcn caagaatgaa agaggagggga	300
gaatgtttan agaataaggc tgaaacacag attttgtagg gagcgtaggg gagactgana	360
aaacag	366

<210> 66
 <211> 202
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (195)..(195)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (201)..(201)
 <223> n is a, c, g, or t

<400> 66	
aagacacctg atagattgtc ttgtattatt tttcctttgc cttcttaciaa tctcagtgat	60
tagaattggg ctgaaaaciaa tacatcaaat tctcagcaaa atccttatgg gttgctggat	120
accgaggggtt tttaagatct ttagacttca ctatatagaa caaatgttga atgggaattt	180
tctttatttc tatancgttt ng	202

<210> 67
 <211> 634
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (606)..(606)
 <223> n is a, c, g, or t

<400> 67	
cccggaatcg cggccgcgtc gacgatgagc attttttcat gtgtcttttg gctgcataaa	60

tgtcttcttt tgagaagtgt cggttcatat cctttgccca ctttttgatg gggttgtttt	120
tttcttgtaa atttgtttga gttcattgta gattctggat attagccctt tgtcagatga	180
gtaggttgcg aaaattttct cccattttgt aggttgcttg ttcactctga tggtagtttc	240
atttgctgtg cagaagctct ttagtttaat tagatcccat ttgtcaattt tggcttttgt	300
tgccattgct tttggtgttt tagacttgaa gtccttgccc atgcctatgt cctgaatggg	360
aatgcctagg ttttcttcta gggttttgat ggttttaggt ctaacgtttc agtctttaat	420
ccatctttta aaagtctctt cacagtacat gagtagtagt gacaccaata atgtcagagc	480
agggaaactcc caggttctgc ccatccacaa aaacaacaaa taagctggca aaaactttaa	540
gaatcaactt ttgcagatct ctgaaatcta gtcaaaactt aaacagagga aagattaata	600
aagacnggct gcctgagata acactaacac acac	634

<210> 68
 <211> 644
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (92)..(92)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (642)..(642)
 <223> n is a, c, g, or t

<400> 68	
catcaaataa ataaataaat aaattttaaa agtcacagca ttgaattttt aaatgttttg	60
gatgataaag cacctgctta tcatgaagct anagaaattc aatgacacgt ttgccagggt	120
ctttgctagt gatgttgga caagtctgta atgctgatga aacatcactg ttcgggcatt	180
attgccccag aaagacactg actgcagctg atgaaacagc ccttccaaga attaaggatg	240
ccaaagacca aataactgtg ctgagatata cttacgcagc aggcattgcat aagtgtaaac	300
ttgctgttat aagcaaaagc ttgcgttctc actgttttca aggagtgaat ttcataccaa	360

tccattatta tgctaataaa aaggcatgga tcaccagga catcttttca gattggtttc	420
acaaacattt tgtaccagca gcttgtgctt actgcagga agctgactgg atgatgactg	480
caagattttg ttatatctta acaactgttg tgctcatcct ccagctgaaa ttctcatcaa	540
aaataatggt tatggctcac acctgtaatc tcaacacttt gggaggattg cctgaccag	600
gagttcaagc ccaccctggg caacacagca agaccaacc tntc	644

<210> 69
 <211> 651
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (44)..(44)
 <223> n is a, c, g, or t

<400> 69	
ttttaaaat cataaaacgt ttcttacaaa agagcattac attntgcaca ctgctctgaa	60
cagatgccag ggacatgtgg actattgtta cttttcctcc ctgtcccacc ccccaaatgt	120
tacagtgacc acaaagcaag gtgttcacaa taattacatg gggggaattt tttaaaccac	180
caacaataac gaaaaataaa atccactcac tctgctgctg tttcaaaatt tcaatgttag	240
tttttgcacg cccttcccc cccaaccct gtttgtaagg aactaaaaca ttacatctgg	300
tgaacagcaa agatttcact acacctcaaa tgcagaacac ctatgaagca gaggaatggt	360
ggctttttta acagaagcag ataaaaaaaa aagatgcagg actccttcag ttcttacta	420
gtcttagaaa aactttccag aatactgctt cacactataa aaaagaaaaa atatcttgca	480
ttagaatcct tcaacatctg catactgctt cacactgttc gtttctagga gcactttgtc	540
acaggacact tctgcttata tttctttaat cagaacttag ttggatgggc cgggcatggt	600
ggctcacgcc tgtaatccca gcactttggg aggccgaggg ggtggatcac c	651

<210> 70
 <211> 752
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (684)..(684)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (707)..(707)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (709)..(709)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (713)..(713)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (723)..(723)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (734)..(734)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (746)..(746)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (748)..(748)

<223> n is a, c, g, or t

<400> 70

ccatctccaa atttagtatt cattctgttt agcatattat cagttgccat ctatttgttt 60

taactgatta cttgaatctg attaaacatc acagaaatgg gctttgataa gaacaatatt 120

gaataagaaa ttttaaataa caaaacagct tatagaaaaa ttcagcataa cttttccatc 180

accttcacca cccttgccctt ttattatcct gtccctgtatc actgctttct gttagcagtg	240
ttgtgtgagt taggatttgg gcaggaaagc aaaagcaacc acccgtcatt ttcccagaat	300
gaagggtttg acgtaggatg tagactttgt atagtagttg ggagagctgt gggagtgaag	360
gtcagggatg tcacctacag aagtcaggga atctgccacc agagatcctg catcagaaac	420
agccaacagc gtgcttctga agaactagtg ggggaagtggc tataattctt aggaatccca	480
gcaagtccgc accactgtct cagtctacag cagtggagaa aggggtttcc aggagctctc	540
tggaaagttc ctgcccacac tttgcaaaa tcttcagagg ataatgggct tctcttccag	600
cttccacacc caacaagagt gcctttcatc ggccaactct aacctggaac cctatggcag	660
aggggattta ggagacagtt tgnatgtct gtggaatgca aatgaanang tancaatgct	720
tanttgacag cggncatata caaatntnga aa	752

<210> 71
 <211> 12
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)..(8)
 <223> n is a, c, g, or t

<400> 71	12
gatccgtnga ct	

<210> 72
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 72	60
ctcttccag cccctgagcc cagccccttc ccaagtgggtg ccagacaaaa aactacatgg	
ccctttcgtg tcttgggggt ggaaaggag ggatgaattg gggatgata accctggatga	120
attcagagta atctttcttt agaaaactgg tgttttctaa agaaacagga taggagttta	180
gagaaggcac caaagctttc actttggttt ggcaccagtt tctaaccatc tgttttttct	240

accctagcta tcttttattg gtaaaatata aatgtataat tatgtttgta gagctttacc	300
aaggagtttc cctccttttt tgtttgttga ttagcaaatt tttgattctc cattttccaa	360
aagtaagaga ctccagcatg gccttctggt tgccccgcag taaagtaact tccatataaa	420
atggtatttg aaagtgagag ttcatgacaa cagaccgttt tccatttcat ctgtatttta	480
tctccgtgac tccacttgtg ggttt	505

<210> 73
 <211> 505
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (280)..(280)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (342)..(342)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (500)..(500)
 <223> n is a, c, g, or t

<400> 73	
tggagctgaa aaattcctat tacctagggg catcacaacg cattgcattt cgccccgtgtt	60
tgggatgatg ctggtgtaaa cctactatgc tgccagtcac gtaaaagtat agcacacaca	120
attagtaggt aatgcttgca aataataatg aaagactctg ctactgggtt atgtatttac	180
tatgctatac tttttgtcat tacttttagag tgtactccta cttttttttt tttttttttt	240
gagatggagt ttcactcttg tcctgtaggc tggagcgaa tgccgcgatc tcggcttact	300
gcaacctcca cctcctgggt tcaagcgatt ctctgcctc ancttcccag agtagctgag	360
attacaggca tgcaccgcca cgcacgggta attttgtatt tttggtagag acaggggttc	420
accatgttgg ccaggctggt caccaactcc tgacctcagg tgaccgcct cctcacctcc	480
agagtgttgg gattacaggn gtgag	505

<210> 74
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (552)..(552)
<223> n is a, c, g, or t

<400> 74
ataaaaaatta gctgggggtg atgggccctg taccccagct actcgggagg tgaggtagga 60
gaatcacttg aaccggggag atggagggtg cagtgagcca agatcgtgcc actgcactcc 120
agcctgtgtg acagaacaag actctgtctc aaaaaaaaaat aataataata ataataataa 180
aaaggaataa catagctagg aataaattta atcaaagagg tgaaagactt atacacttaa 240
aactacaaaa aaaaaatcac tgaaggaatt atagacccaa ataaaaataa ataaaaagac 300
attctgtgtt ttagggaaag aagacttaat attgttaaga tgtcaatact acccaaagtg 360
atctacagat tcaacataat ccctatcaaa attccaacag cctactttgt agaaatggaa 420
aagccaattt tcaaattcag atggaattgc gaggggttct gaataacaaa acacaatctt 480
ggggaaaaaa aacaaaaaac aaagtcaaag aactcacact tctctattta taatttacta 540
caaagttata gnatcaaagt cgacgcgccg cgatccgggc 580

<210> 75
<211> 535
<212> DNA
<213> Homo sapiens

<400> 75
cacagtactc cattttgggg tccaaactgt aatgctcaaa ataataaatg cttacacgaa 60
aattatttat tgagaatatt catataaaaa ttacctaaag caaagtaaaa aaagtaaaat 120
caaggtggta tatttgaagt gaatggtgat tggaaatttt tagctgtaac aaaaagaaag 180
aaaacaactt tttttaagc ctcatctct tttctttcaa aatgtacctt attcccacac 240
actcttgggc tgacctttat tttatcaata agctcaatat tactttgttt aaaataagat 300

gcttcagcaa aagtcattct ctctttaacc atataattta aaaactcctc ttcacgattg	360
atagcaaaat cagaaacggt agggcaccag tgagttgaaa aaactgggtct taagttggaa	420
aaactattat taataatatt atcctatcca tccatatcta ttgaaattgt caggtccata	480
atttcatttt aattaattat aggaaagaag aaaagataat acccatttgt tctat	535

<210> 76
 <211> 505
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (461)..(461)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (483)..(483)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (497)..(497)
 <223> n is a, c, g, or t

<400> 76	
ctcagactct ttctgcccta atggccatta ctatccagtc tgtattgcta caagggaccc	60
actggtaccc cttttagatt ctatcaaaag gaacaggggt ttcctagagg caggcagcct	120
ggtggtatgg cacagcagaa gcttactgct aatgaaatgg gaacctcccc ctcccttgtg	180
gtttcagcac agaacctgaa tgccaggaaa aattcctggg ccaagaagct aaagctaaag	240
aaaccttcct tttttcaacg tttttttttc tttcaaactg tagggtcact tttgattgag	300
gcaaaggggt cctactgtaa gtggaaaaga ctcaactcccc taacataagt tttcactgtg	360
gtgggatggg gccgcccgat atgcttgata tgcttttcct tccacatggt aagctaggaa	420
acctaacagg atgtcagcag ggcagttaac tctggactca nagccctcaa gggcatgtgg	480
canaacctca tggcatncaa gacca	505

<210> 77
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (567)..(567)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (575)..(575)
 <223> n is a, c, g, or t

<400> 77
 gtataattga ttcttttgaa cctaaagtat aagacttcac gattagaaaa aaattatcca 60
 aagactaatg taattaagtg aggaaaagggt gctggaggaa ctggataacc acatggaaat 120
 gtatgaacca tgacctctat gtcacatact atatataaaa cttaatttga ggtgtatcac 180
 agagctaact gtgggggcta aaacgttgaa gcctttggat ggccgcacaa gagatgtctg 240
 cattcataac cttggggagg gtatgaacat ttcttggtaa catgcaaaaa gcactaactg 300
 taaaagagaa cagttggtca gttgaatttc atgaaacatt gtaaacttct gctaaacaac 360
 tgacaccatt aagaatgtgg aaaaaggctg ggcacagtgg ctcatgccta taatcccagc 420
 attttgggag gccggggcgg gagaatcact tgaggccagg agtttgaaac cagcctgggc 480
 aacatggcaa gaccccgact ctacaaaaat atttttaaaa attagttggg tgtggtgatg 540
 cactcctgta gtccctagctg ccaggangct aaggnggaag gatcacttaa ccctgg 596

<210> 78
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 78
 ctggtggcgg cggtcgtgcg gacgcaaaca tgcagatctt tgtgaagacc ctcaactggca 60
 aaaccatcac ccttgaggtc gagcccagtg acaccattga gaatgtcaaa gccaaaattc 120
 aagacaagga gggatatcca cctgaccagc agcgtctgat atttgccggc aaacagctgg 180

aggatggccg cactctctca gactacaaca tccagaaaga gtccaccctg cacctggtgt	240
tgcgcctgcg aggtggcatt attgagcctt ctctccgcca gcttgcccag aaatacaact	300
gcgacaagat gatctgccgc aagtgctatg ctgccttca ccctcgtgct gtcaactgcc	360
gcaagaagaa gtgtggtcac accaacaacc tgcgtcccaa gaagaaggtc aaataaggtt	420
gttcttttct tgaagggcag cctcctgccc agggcccgtg gccctggagc ctcaataaag	480
tgtccctttc attgactgga gcag	504

<210> 79
 <211> 564
 <212> DNA
 <213> Homo sapiens

<400> 79	
gcaggggctt ctgctgaggg ggcaggcgga gcttgaggaa acccgcatat aagttttttt	60
ctctttgaaa gatagagatt aatacaacta cttaaaaaat atagtcaata ggttactaag	120
atattgctta gcgttaagtt tttaacgtaa ttttaatagc ttaagatttt aagagaaaat	180
atgaagactt agaagagtag catgaggaag gaaaagataa aagggtttcta aaacatgacg	240
gaggttgaga tgaagcttct tcatggagta aaaaatgtat ttaaaagaaa attgagagaa	300
aggactacag agccccgaat taataccaat agaagggcaa tgctttttaga ttaaaatgaa	360
ggtgacttaa acagcttaaa gtttagttta aaagttgtag gtgattaaaa taatttgaag	420
gcgatctttt aaaaagagat taaaccgaag gtgattaaaa gaccttgaaa tccatgacgc	480
agggagaatt gcgtcattta aagcctagtt aacgcattta ctaaacgcag accaaaatgg	540
aaagattaat tgggagtggg agga	564

<210> 80
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 80	
cccggaatcg cggccgcgtc gacgggaggt gatagcattg ctttcgtgta aattatgtaa	60
tgcaaaattt ttttaatctt cgccttaata cttttttatt ttgttttatt ttgaatgatg	120

agccttcgtg ccccccttc cccctttttt gtcccccaac ttgagatgta tgaaggcttt 180
 tgggtctccct gggagtgggt ggaggcagcc agggcttacc tgtacactga cttgagacca 240
 gttgaataaa agtgcacacc ttataaaaaa 270

<210> 81
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 81
 cccggaatcg cggccgcgtc gacgggaggt gatagcattg ctttcgtgta aattatgtaa 60
 tgcaaaattt ttttaattctt cgccttaata cttttttatt ttgttttatt ttgaatgatg 120
 agccttcgtg ccccccttc cccctttttt gtcccccaac ttgagatgta tgaaggcttt 180
 tgggtctccct gggagtgggt ggaggcagcc agggcttacc tgtacactga cttgagacca 240
 gttgaataaa agtgcacacc ttataaaa 268

<210> 82
 <211> 334
 <212> DNA
 <213> Homo sapiens

<400> 82
 cttcatttga aatgggttgaa tctgctgtgt aataaagtgg ttcaaccatg attaggaact 60
 gaaatttagt agaagaggga aaaggagtta atgtaacaaa ttatttttagc taaaacccc 120
 ggtaatagag cacttggggg atgggatggg gtgggttggt gagacaatca gaatggtaaa 180
 ttgattaaat gtcctaacc ctgtaatttt gtgcatagag caccctatgc tgtggaaata 240
 actgttctta gatttcattg taactggact gttcaggttg cccagaggga aagaacattc 300
 ctaattctaa taaaataaac ttttattttg tttta 334

<210> 83
 <211> 675
 <212> DNA
 <213> Homo sapiens

<400> 83

tgtcattgaa tctgcttggt acttaaagtc taaactcaat tctgtaattc aataggtgca	60
cctctctgag aacataaga gacaatgagg aaaaggattc agcattccgt ggaatttgta	120
ccatgatcag tgtgaatccc agtggcgtaa tccaagtaag atgttcacaa agatttgttt	180
ttaatgtcta attaataaaa ttttaaagga agaaacattc taatacttta attataaaaa	240
gttaactatt ttcaaaggta tcaaaataca gttaaaccct taaaatgtat atttcttaat	300
atcttgaaat tgtaatgcct tttttttttc ctaaattttt tttgtcatga aatgagatag	360
taacagcaga ttgggacaac aaggttatat tcttgtcttg aatcaggcca tggcttcttt	420
catccaaatt tcagacctca tttattttact ttgtccctgc ctcccatccc tggatatcag	480
tttgtggata tctacagtta atagagtgac caaatagtag gaatactgtc tctctattct	540
gaataaaatc tttgaatcag atttagaaat aatgaataaa atacaaatca gccattgaaa	600
ttgctctaatt tttgagagct tatgatttat tcatcttttg tttccaagtt caagttatat	660
gtagacattt taatt	675

<210> 84
 <211> 485
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (223)..(223)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (280)..(280)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (297)..(297)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (302)..(302)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (337)..(337)
 <223> n is a, c, g, or t

<400> 84
 gcttcctagg tgaggtcacg aggaaacctg ctggccaagt gacctggcag ggtgtggcca 60
 gtgtggccag ggccgccgag cctgctttcc ttccctgcag caggaacctt tctggggctg 120
 tgatcctgcg atgggtgctg ggtgggagtg ggggtggggg gcgggatggg ctccctacct 180
 gccagcttct tggtttgagg tgaggacagc cccggaagct canacttggc tctgtccat 240
 gtacttgggg ccatgagctc tgcagggacc ttggaaagan agagacgggt ggtgtanggc 300
 angggaaggc attgtcttca aacaggaaaa agctganaat ggaaacaggc gaaacttacc 360
 aagtgtaca tcacctggaa ctgaaggagg gtgggaagggt tttaattatt ttaaaaatag 420
 agatgggggc tcactatggt gcccgaggctg gtctcaaact actgggctca agtgaacctc 480
 cttct 485

<210> 85
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (9)..(9)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (49)..(49)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (94)..(94)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (105)..(105)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (152)..(152)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (169)..(169)

<223> n is a, c, g, or t

<400> 85

tgttttctcna gggcgagagg ctgtcttana gcaccattct ctggccctng tcccatgaga	60
aggaaccgca ctcaggagcc acactctccc actncccttg ccanaagac tcacagaggg	120
cacggagctg gctgtggtga gaggaggtcc ancaaattcc tgtctgcana agggttctga	180
acaccaccgc ctggcagcgt gctggaggag ggattcctct tttcctcaca gcaattctga	240
ccagaaacct gtcaaatacag gaatggctaa aataagacca gggatatgaat gacatcagc	300
cacagtaaaa ccaaggcaca gctctcctga gccacccaa gctgctgtgg ccagactgg	360
tgacatcacc tcagggcaaa aaaaaaa	387

<210> 86

<211> 420

<212> DNA

<213> Homo sapiens

<400> 86

cgcagaatgg ctcccgcaaa gaagggtggc gagaagaaaa agggccgttc tgccatcaac	60
gaagtggtaa cccgagaata caccatcaac attcacaagc gcatccatgg agtgggcttc	120
aagaagcgtg cacctcgggc actcaaagag attcggaat ttgcatgaa ggagatggga	180
actccagatg tgcgcattga caccaggctc aacaaagctg tctgggcaa aggaataagg	240
aatgtgccat accgaatccg tgtgcggtg tccagaaaac gtaatgagga tgaagattca	300
ccaaataagc tatatacttt ggttacctat gtacctgtta ccactttcaa aaatctacag	360

acagtcaatg tggatgagaa ctaatcgctg atcgtcagat caaataaagt tataaaattg 420

<210> 87

<211> 675

<212> DNA

<213> Homo sapiens

<400> 87

ggaaactgat gccagtcaga aactcagatc aaatgaaggg gtgaagagaa ccagaattga 60

tctctctgta ggagaatata aatgactttt tttaaagtaca tattttctgt gaaagacagt 120

tttttgttta atgcaaaaat gttaacaatg tttatatcat gtagaagtaa aagatcgtga 180

aacagcacag agaacagtag taagacagat tgaattgcac tgttgtaaga tgatgaactt 240

acaatattaa gtgaaggtag actgtgatag attaaggata tatattgtaa tccctagagc 300

aattgtcaaa gtggtacagg taaaaagcca atagaggtga taaatggaa tactaaaaaa 360

tatcagatga ataataaaga agacaggaaa tgaggaacag tggaacagaa tgaataaaaa 420

acaagaccat taacttaatc attaataatt actttaaatg ggttaaacad tatgggttata 480

aggcagagat tttcagacta gataaaagag caagctccac tatatactgt ctacaagaga 540

tatacttttaa agtgtatatt atatttaa ataaagattt ggaataaata aacctaagaa 600

taagcttact agggaagtga aagatctgta caacaagaat tacaaaacac tgctgaacga 660

aatcataggt gacca 675

<210> 88

<211> 594

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (529)..(529)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (542)..(542)

<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (559)..(559)
 <223> n is a, c, g, or t

<400> 88
 gtcccgaat cgcgccgcg tcgacgtttc ctcaaaattt atcttcctgt taatgtcagg 60
 catgtatctc cttagcttgc cacaaataac tatatatacc acagaccttc ctttgtaggg 120
 ctaacagtgt tgcattgtaa gtggaggcct catagatacc tggccttttc ctaccttatt 180
 ccaaagatgg ttgcatctta taaataatgt cattcttcag caaatgggtat ggaaatgaga 240
 ttgtaatgtc attatttcct ctttaaataa tcaggacaac tcatgataca aagagctctt 300
 ctctataaaa ggtgggactt ttttttttag taatagcaaa aataaaattg tacctcctta 360
 atcttctaca gaaagatgga tttcattttc aacattaaga ggtagtttta agaagcagta 420
 gaagtcagcc tgggcagcat ggtgaaaccc cgtctctaca aaaaagttag ctgggcttag 480
 tagttgcaat ccagctact ctggaggctg aggttgagga tcatctganc ctggggaggt 540
 cnaggctgca atgatacant gagccctgat tgtgccactc cacctgggtg caga 594

<210> 89
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 89
 ttccaatctt cgtgttcact ttaagaacac tcgtgaaact gctcaggcca tcaagggtat 60
 gcatatacga aaagccacga agtatctgaa agatgtcact ttacagaaac agtgtgtacc 120
 attccgacgt tacaatggtg gagttggcag gtgtgcgcag gccaaagcaat ggggctggac 180
 acaaggtcgg tggcccaaaa agagtgctga atttttgctg cacatgctta aaaacgcaga 240
 gagtaatgct gaacttaagg gtttagatgt agattctctg gtcattgagc atatccaagt 300
 gaacaaagca cctaagatgc gccgccggac ctacagagct catggtcgga ttaaccata 360
 catgagctct ccctgccaca ttgagatgat ccttacggaa aaggaacaga ttgttcctaa 420
 accagaagag gaggttgccc agaagaaaaa gatatcccag aagaaactga agaaacaaaa 480

acttatggca cgggagtaaa ttcagcatta aaataaatgt aattaaaagg

530

<210> 90
<211> 381
<212> DNA
<213> Homo sapiens

<400> 90
tgcaggatcc gtcgactcta gataacatgg ctagaaaaga gaatgaaaaa gttggaattt 60
ttaattgccca tggatatgggg ggtaatcagg ttttctctta tactgccaac aaagaaatta 120
gaacagatga cctttgcttg gatgtttcca aacttaatgg cccagttaca atgctcaaata 180
gccaccacct aaaaggcaac caactctggg agtatgaccc agtgaaatta accctgcagc 240
atgtgaacag taatcagtgc ctggataaag ccacagaaga ggatagccag gtgcccagca 300
ttagagactg caatggaagt cgggccagc agtggcttct tcgaaacgtc accctgccag 360
aaatattctg agaccaaatt t 381

<210> 91
<211> 535
<212> DNA
<213> Homo sapiens

<400> 91
cacagtactc cattttgggg tccaaactgt aatgctcaaa ataataaatg cttacacgaa 60
aattatattat tgagaatatt catataaaaa ttacctaaag caaagtaaaa aaagtaaaat 120
caaggtggta tatttgaagt gaatggtgat tggaaatttt tagctgtaac aaaaagaaag 180
aaaacaactt tttttaagc ctcatctct tttctttcaa aatgtacctt attcccacac 240
actcttgggc tgacctttat tttatcaata agctcaatat tactttgttt aaaataagat 300
gcttcagcaa aagtcattct ctctttaacc atataattta aaaactcctc ttcacgattg 360
atagcaaaat cagaaacgtt agggcaccag tgagttgaaa aaactgggtct taagttggaa 420
aaactattat taataatatt atcctatcca tccatatcta ttgaaattgt caggtccata 480
atttcatttt aattaattat aggaaagaag aaaagataat acccatttgt tctat 535

<210> 92

<211> 619
<212> DNA
<213> Homo sapiens

<400> 92
caggggcttc tgctgagggg gcaggcggag cttgaggaaa ccgcagataa gtttttttct 60
ctttgaaaga tagagattaa tacaactact taaaaaatat agtcaatagg ttactaagat 120
attgcttagc gttaagtttt taacgtaatt ttaatagctt aagattttta gagaaaatat 180
gaagacttag aagagtagca tgaggaagga aaagataaaa ggtttctaaa acatgacgga 240
ggttgagatg aagcttcttc atggagtaaa aaatgtattt aaaagaaaat tgagagaaaag 300
gactacagag ccccgaaata ataccaatag aagggcaatg ctttttagatt aaaatgaagg 360
tgacttaaac agcttaaagt ttagttttaa agttgtaggt gattaaaata atttgaaggc 420
gatcttttaa aaagagatta aaccgaaggt gattaaaaga ccttgaaatc catgacgcag 480
ggagaattgc gtcattttaa gcctagttaa cgcatttact aaacgcagac gaaaatggaa 540
agattaattg ggagtggtag gatgaaacaa tttggagaag atagaagttt gaagtggaaa 600
actggaagac agaagtacc 619

<210> 93
<211> 131
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (102)..(102)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (114)..(114)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (127)..(127)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (129)..(129)
 <223> n is a, c, g, or t

<400> 93
 cgctgggtgc ctgcagcgcc tcccttgtct catatgggtgt gtccagcact ctattgttgt 60
 aaactgttgn tttnctgac ctaaattntc ttactaaac anatttaata gtnaaaaaa 120
 aaaaaananc a 131

<210> 94
 <211> 607
 <212> DNA
 <213> Homo sapiens

<400> 94
 ttttaaagtc atctctatag gaaggtgctg ggcagggatc ccagagaaag aaaggggtcca 60
 agactccatt aactgccctg gatgaagggc actgctacag cagctagtac cagagactct 120
 cctatctcac gggtgaggca gaccaggat agaatagaga ataaaaggaa tgcttatagg 180
 aaacaatttt gtatggaatg ctagatggcc aagcctcagc ctttgggtcca gtgcaaccct 240
 tgccctcgctt gtcaacagtg aaaaattagt ttgggttagaa gaaccatctg gaaacacacc 300
 agcttctgct accttcatgc tcattgttaa aaaaagatta accagtgtga acattctgat 360
 ctgttaattc cagggactgt tttctttcca atggactggt tggttgtaga ataaccccc 420
 aaagctcaaa gctaaaatgc atcatcagtc ctagtcggca gttccttaag aatggactgg 480
 cggcgtgggt gagctgatat ggaaaagctg caccttcctg cagaagatca actgacctgc 540

tatcccaccc caaatttcaa cctgaggtat atttcaatga aggcaggtag ctgtgcttct 600
cagagca 607

<210> 95
<211> 687
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (650)..(650)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (685)..(685)
<223> n is a, c, g, or t

<400> 95
tcccggaatc gcggccgcgt cgacccgccg ccgaggattc agcagcctcc cccttgagcc 60
ccctcgcttc ccgacgttcc gttccccctt gcccgcttc tcccgccacc gccgccgcg 120
ccttccgcag gccgtttcca ccgaggaaaa ggaatcgtat cgtatgtccg ctatccagaa 180
cctccactct ttcgaccctt ttgctgatgc aagtaagggt gatgacctgc ttctgctgg 240
cactgaggat tatatccata taagaattca acagagaaac ggcaggaaga cccttactac 300
tgtccaaggg atcgctgatg attacgataa aaagaaacta gtgaaggcgt ttaagaaaaa 360
gtttgcctgc aatggtactg taattgagca tccggaatat ggagaagtaa ttcagctaca 420
gggtgaccaa cgcaagaaca tatgccagtt cctcgtagag attggactgg ctaaggacga 480
tcagctgaag gttcatgggt tttaagtgtt tgtggctcac tgaagcttaa gtgaggattt 540
ccttgcaatg agtagaattt cccttcctcc cttgtcacag gtttaaaaac ctcacagctt 600
gtataatgta accatttggg gtccgctttt aacttggact agtgtaactn cttcatgcaa 660
taaactgaaa agaccatgct gctantc 687

<210> 96
<211> 462

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<400> 96
ttcggacgca agaagacagc gacagctgtg gcgcactgca aacgcggcaa tgggtctcatc 60
aaggtgaacg ggcgggccct ggagatgatt gagccgcgca cgctacagta caagctgctg 120
gagccagttc tgcttctcgg caaggagcga tttgctggtg tagacatccg tgtccgtgta 180
aagggtggtg gtcacgtggc ccanatttat gctatccgtc agtccatctc caaagccctg 240
gtggcctatt accanaaata tgtggatgag gcttccaaga aggagatcaa agacatcctc 300
atccagtatg accggaccct gctggtagct gaccctcgtc gctgcgagtc caaaaagttt 360
ggaggccctg gtgcccgcgc tcgctaccag aaatcctacc gataagccca tcgtgactca 420
aaactcactt gtataataaa cagtttttga gggattttta aa 462

<210> 97
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (519)..(519)
<223> n is a, c, g, or t

<400> 97
ctgcaatgtg caatagttgc accactgcac tccagcctgg gtgacagagt gagaacctat 60

ctcttaaaaa aaaaaaaaaa aaaaggaaga agagacatga gagggcccaa gtcacttgct	120
cactcacttt ccgtgtacat gtaccaagaa aaggccatgt gggaaagagc aagaaggcag	180
ccgccttcaa gacaggaaga gagccctcac cagaaactga gccagaacct tggaattcca	240
gcctccanaa ctgtgagaaa agaattttct gttgtttcag tccccacac tatggcattt	300
tgttacggca gctgagcta atactcctac tttgtcctgc atttacttgg tcttccagtt	360
agtttttttag actttgggaa tcagagcagt cagttgtcag attttagctt acagttgtcc	420
tacctgtgca actgaaattt cttccatttt aaaccagagc agagtttttag agtcaaaaga	480
aaccagatct tttagtgcag aagctttcca ctgtattana agtgaggaag ttggt	535

<210> 98
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (425)..(425)
 <223> n is a, c, g, or t

<400> 98	
aaaaaaaaactc cagagaagtt tatagaaaga gatgacatgt aaaccctgct gaaaaatagt	60
ttcatttggtt agaatataat tgtcttccac taaaaaaaga aaaaaaaaag catttaaggc	120
tctaagatct cttgaagtac cacttttcct gaateccaga gtttttatgt gcattatttt	180
tatgcgtttg tagtttgata tgttgtattt ataagtagtt ttagctttcc attatgaatt	240
cttctttgac ccatgagtta tttaggtaag tgtttaaaaa ttacaatag ttatatatg	300
caaataattat gttgttagag ttggttttca tgtcattttt acatatacag gggcagtttc	360
cccaactaaa ttgtatatcc cttaaagcag cactcttaaa ttttatttct gtgtcaattt	420
cttgnctgtg tttcctggca tggaatacat ggcataaaat ttgttatgta attaaatgaa	480
atattattat actttctatt ttttagaaaa aa	512

<210> 99

<211> 577
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (552)..(552)
 <223> n is a, c, g, or t

<400> 99
 gtcgacaggg atgacataac tattagtggc aggttagttg ttggtcactt tcaactctgg 60
 gttcaagcga ttctcctacc tcagcctccc gagtagctgg gattacaggc atgcaccgcc 120
 acacctaatt ttctattctt agtagagacg gggtttctcc ctggttggtca ggctgggtctc 180
 gaactcccgga cctcaggtga tctgcctgcc tcagtctccc aaagtctctgg aaccacagac 240
 atgagccacc acgcctggcc ccttttaaaa tatttctgct cattgatgat gcacccagtc 300
 acccaagtgc tctgatggag atgtataagg agatgaatgc tgttttcatg gctgctaata 360
 caacattcat tctgcaaccc ccaaatacaag aagtaatttt gactttcaag tcttattatt 420
 taagaaatat attttgcaag actatagctg ccatagaccg tgattcctct gatggatcag 480
 acaaactaaa atgaaaacct cctgcaacgt attcatcatt ctagatccct gaggaatcgc 540
 cacactgact tncacaatgg gtgaactggg ttacagt 577

<210> 100
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 100
 aaacaaaatt attctctgag agggaaagga catttgaggg aaacatcaaa tttccccata 60
 aataaatgaa tggagtttgc aggaaggtga gggtagagcag agatgtgtgt ggacatctct 120
 gaccatccat cgctgtattc aaatggattg ttttattcca ttctgggtctc aggcattgacc 180
 acgtccagtg aagacatttg aggcagcaca tctcaggacc caggcaatag actggcccca 240
 actcaggctg gactaaggtg tgattaattc ttgttttttt gtgtggaaca gctcaccttg 300
 tcagacagcc tcagggcatac tctgagacac aggggcagaa aatgacattc atcttttgag 360

tcctcatcca tggagtgctg tgtttggggg gctgcatctg ctgaagcgag aaccccatc	420
tgccacccca ccaggatgcc cattctccag gacttctcca acttactatt agactaaacc	480
agaacaagca acaaactgta tttatgcaag caaaattgat gagaaaatta tattcaaata	540
aagcaaaaat ta	552

<210> 101
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (565)..(565)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (581)..(581)
 <223> n is a, c, g, or t

<400> 101	
tcgtgccact gcactccagc ctggacgaca gagtgagact ccatctcaaa ataaataaat	60
aaataaataa ataaataaat aaataaaaaa ataaaaaata cttctgctat gaaaaaccta	120
gttggtatatt ttgcttattt aatactatag aaatatggtg atctcatctt taatagagtg	180
cttttaagggt cccagtgat aatctcctaa aatcatgaac tttaagaatt tataatgtta	240
atatgaggaa atgaaatctg gattatctca ccacatatta tataattcat tagtgacaga	300
gcaagaactc caggtcacct gtctattcca tgtttttcct atctgccttt aaatggtgag	360
atactaccct tatctcatgt gaatggagaa actgcctaaa atgctaaaac tgactcagag	420
gcaccagac ataagtgaag tgtgattaga aaatcctggt cagttgagtc ttagccaaat	480
gtgtacctac tgtgtctgcc tctatcaagt caatgaaaac atgatctgag aactgtaagt	540
ccatttatgg aaagggttga ttanagata ttttgaactt ncagtgatga gccccttctc	600
aaatag	606

<210> 102

<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<400> 102
cggactcctg tgctaattgt cagcttacat atcattgtat agagactggt tattctgtac 60
caaactgatt tcaaaagtac tacatngaaa ataaaccggt gactgttttt cttcataaag 120
ttctgcgttt ggcattcttca ctctttccaa aatgtatctg tacatcanaa atgtcactat 180
tccaagtgtc tttttagtgt ggcttttagta tggcttcctt ttaatattgn acatacattg 240
natctttggt ttatggnaat aagtaataaa aatgtagact tcatattttg taaaaaatgt 300

cctatgtaca gaataaaaaa gttcatagaa acagccnana a

341

<210> 103
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)..(20)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (546)..(546)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (562)..(562)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (611)..(611)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (645)..(645)
<223> n is a, c, g, or t

<400> 103
aggccgaggc aggcagatcn cntgaggtca agagtttgag accagcntag ctaacatggt 60
gaaaccccat ctctacaaaa atataaaaat tagcctgggt ggtgatgggc acctgtaacc 120

ccagctactc gggaggctga ggtaggagaa tcacttgaac cgggagatg gaggttgcag	180
tgagccaaga tcgtgccact gcactccagc ctgtgtgaca gaacaagact ctgtctcaaa	240
aaaaaataat aataataata ataataaaaa ggaataacat agctaggaat aaattttaatc	300
aaagagggtga aagacttata cacttaaaac tacaaaaaaa aaatcactga aggaattata	360
gacccaaata aaaataaata aaaagacatt ctgtgtttta gggaaagaag acttaatat	420
gttaagatgt caatactacc caaagtgatc tacagattca acataatccc tatcaaaatt	480
ccaacagcct actttgtaga aatggaaaag ccaattttca aattcagatg gaattgcgag	540
gggttntgaa taacaaaaca cnatcttggg gaaaaaaaac aaaaaacaaa gtcaaagaac	600
tcacacttct ntatttataa atttactaca aagttatagt aatcnaa	647

<210> 104
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 104	
tacgcacacg agaacatgcc tctcgcaaag gatctccttc atccctctcc agaagaggag	60
aagaggaaac acaagaagaa acgcctggtg cagagcccca attcctactt catggatgtg	120
aaatgcccag gatgctataa aatcaccacg gtcttttagcc atgcacaaac ggtagttttg	180
tgtgttggct gctccactgt cctctgccag cctacaggag gaaaagcaag gcttacagaa	240
ggatgttcct tcaggaggaa gcagcactaa aagcactctg agtcaagatg agtgggaaac	300
catctcaata aacacatttt gggttaaaa	329

<210> 105
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 105	
gagcagtggc atgatcacac cttactgcgg cctccaaccc ctgagcttaa gtgattctcc	60
cgcattatcc tcctgagtag ctgagactac aggtgcatgc caccatacac tactaaattt	120
gggtcgggtg gtggtggtga ttttttaata tttttgtaga gacagggtct cactgtgatg	180

cccaggctgg tcttgaactc ctgggctcaa gcagtcaccc acctcagcct cccaaagcac	240
tgggattaca ggtgtgagcc accacactgg ccagctttgt tttgttttga tgactaagct	300
gctcttgcta aaagggcttc tctctgaact tccctacctt tcttctgttt ccctgggcta	360
gggctccatg ttggcagtcc tactcccaat taacctgggg ctgtctgggtt aacctttata	420
agatctgcag tcattgggag acccggggac caggaatatt gttgttgagg gagctaccct	480
ggaaagtgga tgggtggcca aagg	504

<210> 106
 <211> 582
 <212> DNA
 <213> Homo sapiens

<400> 106	
tttggctttg cctctaggca ttagatgtta tctttggagg catccttcta tgagcattca	60
tttttgacc aagcctggat ttacaattct attactggcc cagacttcat ttctatccaa	120
tttcattcca ctgtgctata gtttacaaca tataatttga cttataaata attcctgact	180
atgggtttaa agactgaaaa tggatcaata gaaactttga aaatgttaac atcttgattg	240
cttttctcag tgtagaaatg gacaatgttt agcttaaaaa ctgcatgttt ttaatgagat	300
acggggttga aagacttatt cctggaattt attgttctgg agaaagcctg ttgctatctg	360
ccataccttg gtttactttg tgcaaaatga gcttcttttt aagtaatgag ctctttccat	420
gttcagctta aattgctgtc ttagacactt catcagggtt ccctgctctg cctcattccc	480
ccttttgctc acttgcagcc tttgacataa tcctgggagg caattggcat catacatatt	540
ttgctttgta atctcctgct ttgattctga ctgggaccca gc	582

<210> 107
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (708)..(708)
 <223> n is a, c, g, or t

<400> 107
ggatctaaga ccagcctggc agccaccaga tgggtgattct agtcctggct cagtcagtaa 60
taggtcactg accccagaga aatcaattca gcctccccag gtccttggat ttctttctgt 120
gaaaatgaaa gcataggtag gaatttccca tggaacagct agcagaggag aaatattaaa 180
agtcaggaga ctcatgctat agttttcata cttcattaca acaatgttgt ttaggacaag 240
tgagttaacc tgtagcttc ctctatataa aatggaaagt cattaaaaac ctacatagca 300
gggttcttgt gaagatcaag tgataatgta ggaagcatgt acaaatgtca cattctgccg 360
tcacgtaatg gtcctcacag cttgaggtag catttagcat gtgtcatgat ttagtacaag 420
ggttggcaaa ctgttgctct tggattaagt ctggctcatt gcctgttttt caaagaaaaa 480
aattgtatat gtgtgtatat atgttatata taggtacaca cacatatgtg ctatatatag 540
catatataca cacataatat ataaacatgt acatatatag cattatatat ataccgtgta 600
taatatctcc agtcctcatg accagccatg cttgttcatt tacatttgca tactctatga 660
ttgctttcat gcaacaatgg cagagttgag tgattgtttt gcacaganac tgtatggccc 720
actaaaccta aaatattaat ctctgcc 747

<210> 108
<211> 522
<212> DNA
<213> Homo sapiens

<400> 108
ctcctgccgg gctcgtggcg gcttctgtcc gctccgcgga gggaagcgcc ttccccacag 60
gacatcaatg caagcttgaa taagaaaaac aaattcttcc tcctaagcca tggcatatca 120
gttatacaga aatactactt tgggaaacag tcttcaggag agcctagatg agtcataca 180
gtctcaacag atcaccccc aacttgccct tcaagttcta cttcagtttg ataaggctat 240
aatgcagca ctggctcaga gggtcaggaa cagagtcaat ttcaggggct ctctaaatac 300
gtacagattc tgcgataatg tgtggacttt tgtactgaat gatgttgaat tcagagaggt 360
gacagaactt attaaagtgg ataaagtga aattgtagcc tgtgatggta aaaatactgg 420
ctccaatact acagaatgaa tagaaaaaat atgacttttt tacaccatct tctgttattc 480

attgcttttg aagagaagca tagaagagac tttttattta tt

<210> 109
 <211> 682
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (600)..(600)
 <223> n is a, c, g, or t

<400> 109
 tgccactgaa gatcctggtg tcgccatggg ccgccgcccc gcccgttggt accggtattg 60
 taagaacaag ccgtacccaa agtctcgctt ctgccgaggt gtccctgatg ccaagattcg 120
 catttttgac ctggggcgga aaaaggcaaa agtggatgag tttccgcttt gtggccacat 180
 ggtgtcagat gaatatgagc agctgtcctc tgaagccctg gaggctgccc gaatttgtgc 240
 caataagtac atggtaaaaa gttgtggcaa agatggcttc catatccggg tgcggctcca 300
 ccccttccac gtcacccgca tcaacaagat gttgtcctgt gctggggctg acaggctcca 360
 aacaggcatg cgagggtgct ttggaaagcc ccagggcact gtggccaggg ttcacattgg 420
 ccaagttatc atgtccatcc gcaccaagct gcagaacaag gagcatgtga ttgaggccct 480
 gcgcagggcc aagttcaagt ttctggccgc agaagatcca catctcaaag aagtggggct 540
 tcaccaagtt caatgctgat gaatttgaag acatggtggc tgaaaagcgg ctcacccan 600
 atggctgtgg ggtcaagtac atccccaatc gtggccctct ggacaagtgg cggccctgca 660
 ctcacatgaagg ctttcaatgt gc 682

<210> 110
 <211> 668
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (616)..(616)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (635)..(635)

<223> n is a, c, g, or t

<400> 110

```
tcccggaatc gcggccgcgt cgacctgtc cttgagcgtc aaccttcttt ccctgaagtg      60
gctgggggttc ctgtttcctt ctttgattga caacttgtgt taaccctcgc acatctcttg      120
gccaatTTTT gcttgtaagt ctttccggag acccctggaa tttaaatacat tagcaccgcg      180
cccttccccg aagagtcttc gaagggttgc cgcttttcgg tggcgcagtt ctcgcgagaa      240
ggtgactttc tttctcggtt tttcctgggt tccagaatcc ttagcgcgag gcggaaaaaa      300
tatttctccc agcttgtgtt gatgccgcga ttttgactga gacttcttcc cacgatttct      360
gtttttgctt ctccaaggaa aatggcagct cccgagcagc cgcttgcgat atcaagggga      420
tgcacgagct cctcctcgtt ttccccgcct cggggcgacc gaacccttct ggtcaggcac      480
ctgccggctg agcttactgc tgaggagaaa gaggacttgc tgaagtactt cggggctcag      540
tctgtgcggg tcctgtcaga taaggggcga ctgaaacata cagcttttgc cacattccct      600
aatgaaaaag cagctntaaa ggcattgaca aactncatca actgaaactt ttagtcatac      660
tttaatcg
```

<210> 111

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (452)..(452)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (529)..(529)

<223> n is a, c, g, or t

<400> 111

cagagatcaa aataggcctt acacagtgcg acgcgaattt aaaagattac cccattcagg	60
tgtatggatt ttgcagtatt aaagatgctg cctggaatag gtcattatct tctccaagta	120
ctctgttaag tcaatgagtc acatagagta taaggtttat tatctgcttt tctttcatta	180
aataaatctt tattgaattt ctactacatt aaaaaaccaa accaaaacaa aacaaacaaa	240
aaaaacactt ccctgagcca taaaggagaa ggtagttttg actggaacct tgaaggatgg	300
gtaaactttc agcagataaa gattgagaga agaccttcca ggtagagaaa gcagtgtggg	360
cacaggcaaa gatggaagaa cacacgtggc tgtgggaaac acagctagaa gccagtgcgg	420
atagagagta ggctatgatg tgcaaagggt anacactggg agagacaggt ccatgagagt	480
agcttggaact aacacaggga gggtttgaa tccaactgg ggaacctana aatcaa	536

<210> 112
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 112	
taggaggctt attcactgat ttcccctatt ctcaggctac accctagacc aaacctacgc	60
caaaatccat ttcactatca tattcatcgg cgtaaactta actttcttcc cacaacactt	120
tctcggccta tccggaatgc cccgacgtta ctcggactac cccgatgcat acaccacatg	180
aaacatccta tcatctgtag gctcattcat ttctctaaca gcagtaatat taataatttt	240
catgatttga gaagccttcg cttcgaagcg aaaagtecta atagtagaag aacctccat	300
aaacctggag tgactatatg gatgcccccc accctaccac acattcgaag aaccgtata	360
cataaaat	368

<210> 113
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (318)..(318)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (322)..(322)
 <223> n is a, c, g, or t

<400> 113
 tctttatcaa gttgagaaag ttcctcccct ctattcctag tttgctaaga gtccttctat 60
 cctattttctt aatgggttag tagatgactc tgtggtactt tgaaggttgt ttgcagaatt 120
 tccatgccat aggcaattta cctttccttg acatttgaag gattgatggt ggtgccaagt 180
 atagaatctt cacagagtcc tcctgtagct tctaaagggt tagcttgaaa atgttaattg 240
 cttaacgcta gtaagtgagt gaaaaagctg gggataaatt ttgtatcttg cttatatattc 300
 agttcccacc tctgtccnga cnaaaccccc atatataa 338

<210> 114
 <211> 383
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (236)..(236)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (245)..(245)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (278)..(278)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (288)..(288)
 <223> n is a, c, g, or t

<400> 114
 tagtttacat atcccaacct ttaaaaatat tcctcttatt agctttatat tcactttata 60
 gaagttgagt tttaattaaa attcttggca tcctgaagta tgtcacatag catgtgctcc 120

ttataaatat gttgatatct cagaagacag catccccggtt ttcattttat aaagtaccat	180
acttaagaat gctgtaatac ttatctttta taacatgttt ccttcgcttt gcttgncttt	240
tatgncatca gttttaactg tttacttcat ttaacagntt acatcatnca acagtttact	300
tcattaaaca gtaggtggaa aaatagatgc cagtctatga aaatcttccc atctatatca	360
aaataactttc aaggatatac ttt	383

<210> 115
 <211> 615
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (586)..(586)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (610)..(610)
 <223> n is a, c, g, or t

<400> 115	
cgactttcaa ccatcaagtg aggaatacct tcacataact gagcctccct ctttatctcc	60
tgacacaaaa ttagaacctt cagaagatga tggtaaacct gagttattag aagaaatgga	120
agcttctccc acagaactta ttgctgtgga aggaactgag attctccaag atttccaaaa	180
caaaacctat ggtcaagttt ctggagaagc aatcaagatg tttcccacca ttaaaacacc	240
tgaggctgga actggtatta caactgccga tgaaattgaa ttagaagggtg ctacacagtg	300
gccacactct acttctgctt ctgccaccta tggggtcgag gcaggtgtgg tgccttggct	360
aagtccacag acttctgaga ggcccacgct ttcttcttct ccagaaataa accctgaaac	420
tcaagcagct ttaatcagag ggcaggattc cacgatagca gcatcagaac agcaagtggc	480
agcgagaatt cttgattcca atgatcaggc aacagtaaac cctgtggaat ttaatactga	540
gggtgcaaca cccattttc ccttctggag acttctaataa aaacanattt cctgattggc	600
attaatgaan agtca	615

<210> 116
 <211> 161
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (144)..(144)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (153)..(153)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (156)..(156)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (160)..(160)
 <223> n is a, c, g, or t

<400> 116
 gattttttaa aatacatata gcaaaaatat tacaggggtca ggggagacaa ttagaatgat 60
 ataattcaaa gtggattaaa aaaaaaactg tcaccagaa tacaataccc agcaaagttg 120
 tccttcataa atgaaagaaa aatnaaatct ttncnaacn a 161

<210> 117
 <211> 28
 <212> DNA
 <213> Homo sapiens

<400> 117
 tcccgggaat ctgcaggatc cgtcgact 28

<210> 118
 <211> 258
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (28)..(28)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (39)..(39)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (188)..(188)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (223)..(223)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (228)..(228)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (231)..(231)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (255)..(255)
 <223> n is a, c, g, or t

<400> 118
 gacagtgcc agggtctga tatgtctntc acancttgna aagtgtgaga cagctgcctt 60
 gtgtgggact gaaaggcaag atttgttcct gcccttcctt ttgtgacttg aagaaccctg 120
 actttgtttc tgcaaaggca cctgcatgtg tctgtgttct tgtaggcata atgtgaggag 180
 gtgggganac caccacccc ccatgtccac catgaccctc ttncacnct nacctgtgct 240

ccctcccaaa tcatnttt

<210> 119
 <211> 694
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (85)..(85)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (666)..(666)
 <223> n is a, c, g, or t

<400> 119
 tgggcttttg gctggctgca gtctgtctga gggcggccga agtggctggc tcatttaaga 60
 tgaggcttct gctgcttctc ctagnggcgg cgtctgcgat ggtccggagc gaggcctcgg 120
 ccaatctggg cggcgtgccc agcaagagat taaagatgca gtacgccacg gggccgctgc 180
 tcaagttcca gatttgtgtt tcctgagggt ataggcgggt gtttgaggag tacatgcggg 240
 ttattagcca gcggtaccca gacatccgca ttgaaggaga gaattacctc cctcaaccaa 300
 tatatagaca catagcatct ttctgtcag tcttcaaact agtattaata ggcttaataa 360
 ttgttggcaa ggatcctttt gctttctttg gcatgcaagc tcctagcatc tggcagtggg 420
 gccaagaaaa taaggtttat gcatgtatga tggttttctt cttgagcaac atgattgaga 480
 accagtgtat gtcaacaggt gcatttgaga taactttaaa tgatgtacct gtgtgggtcta 540
 agctggaatc tggtcacctt ccatccatgc aacaacttgt tcaaattctt gacaatgaaa 600
 tgaaactcaa tgtgcatatg ggattcaatc cccaccatcg atcatagcac cccctatcag 660
 cactgnaaac tcttttgcac taagggatca ttgc 694

<210> 120
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 120
 ggcagcgcgg ggagcccgtc ggcgcgcggcg ggcggggccgg tttcgaagtt gatgcaatcg 60
 gtttaaacaat ggctgaacgc gtgtgtacac gggactgacg caaccacgt gtaactgtca 120
 gccggggccct gagtaatcgc tttaaagatgt tcctacgggc ttgttgctgt tgatgttttg 180
 ttttgttttg ttttttggtc tttttttgta ttataaaaaa taatctatct ctatgagaaa 240
 agaggcgtct gtatatcttg ggaatctttt ccgtttcaag cattaagaac actttttaata 300
 aacttttttt tgataatggt taaaaaaaaa aaaaaaa 337

<210> 121
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 121
 cataataaaa aacaatcaac aaacagggaa tggaaagaaa cttcctcagc atgggtgaagg 60
 ccacatatga aaatcccaca gctaacaatca tactcaatga tgaaagactg aaagcttttc 120
 tcctgagatc aggaacaaga caaagatgtc accttttgtc acttctattc aactcattat 180
 tggaagtttt tgccagagca attaggtaag 210

<210> 122
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 122
 cagaatcttt tcataggctg aatgttgctc cacaatgtgt cctttgacta tctctggcta 60
 attattatct taatctcttc tcagcttttc caagaacata acgttaacca aagatcttag 120
 gccattcaca actcttttgt aaaaattaat gtggatgtga aacgaggcaa caaatcctga 180
 agtagaaagt tattcctggc caggcacggt ggctcacgcc tgtaatcctg gcactttggg 240
 aggccgaggt ggggtggatca tgaggacagg agatcgagac catcctggcc aacatgatga 300
 aaccccatct ctactaaaat acaaaaaatt agctgggcat ggtgacgcgt gcctgtagtc 360
 ccagttactc gggaggctga ggcaggggaa ttgcttgaac ctcgagggtg ggagggttga 420
 gtgtgccgag atcacgctac tgcaactccag cctggcaaca gagcaagact ccatct 476

<210> 123
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 123
 aaacagaaag tttcttctaa aggcattgatt cagttaagtc attcttaagt gttaaaaaat 60
 tgtgaaaaat gtgcctgtaa tccaacact ttgggaggcc gaggcaggca gatcacgagg 120
 tcaggagatc aagaccatcc tggctaacaa ggtgaaaccc cgtctctacg aaaaatacca 180
 aaaacattag ccgggcgtgg ttgtgggcgc ctgtagtccc agctacttga gaggctgagg 240
 caggagaatg 250

<210> 124
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (280)..(280)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (326)..(326)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (328)..(328)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (378)..(378)
 <223> n is a, c, g, or t

<400> 124
 ttcttgggat attgatgact actgtctgag aggtgctgtg gggagatttt caggattgtg 60
 tggctcttga ggggggtggt tttttaagac aacattgacc actgtccact gtccacatga 120

tcattgtaaa attgcaatgc cgcattgctag ttgggttacat aagacataat tccagtgtatt	180
gaagggtgggtt aactgttatg gtgggtgtgtt caagatggca ctggcatctt tgagcagagc	240
ctggctatgc agcatcattht gagttttttta aacaccctan aggtctgggtt gttgttgctg	300
ttgtccctttc ctgtgaaagt cacaananaa gttacagtcc aggtgaacct ggagtttata	360
ggttgggtttt gtttctgnta tatatatata tatatatatt tttttttttt tttaacattht	420
acctgtagtgt ctgtagtctgt tgatactatc acctgcatgc tatttctagt gagtgtctaaa	480
tacagtatgg tccaatgaca ataacagccc atggtactgc cag	523

<210> 125
 <211> 487
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (483)..(483)
 <223> n is a, c, g, or t

<400> 125	
catcagtctg ttatccatgc tgactttccg aagacttgca gctactgcat tgatatcttt	60
cctgccaaata agcaaagtgt tgaacacttc acaaaatatt ttactgaggc aggcttgaaa	120
gagcttttcag aatatgttcg gaatcagcaa accatcggag ctcgtaagga gctccagaaa	180
gaacttcaag aacagatgtc ccgtgggtgat ccatttaagg atataatttt atatgtcaag	240
gaggagatga aaaaaaacia catcccagag ccagttgtca tcggaatagt ctgggtcaagt	300
gtaatgagca ctgtggaatg gaacaaaaaa gaggagcttg tagcagagca agccatcaag	360
cacttgaagc aatacagccc tctacttgct gcctttacta ctcaagggtca gtctgagctg	420
actctgttac tgaagattag ggagtattgc tatgacaaca ttcatttcat gaaagccttc	480
canaaaa	487

<210> 126
 <211> 274
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (233)..(233)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (248)..(248)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (268)..(268)
 <223> n is a, c, g, or t

<400> 126
 cacactttca tgataaaaac agaacctagg aatgaaaaga aattatagca acataataaa 60
 gaccatatat gagaagccca cagctaacat actgtatggg gaaaaactga aagctcttcc 120
 tctaagatca ggaacaaggc aaggatgccc attcttgcca cttctatcga acgtagtact 180
 ggaagcccta gccagaacaa ctaggcaata gaaagaaatt aaaggcatcc atntcagaaa 240
 ggaagaanca aaatgctgtc tgtttaanat gaca 274

<210> 127
 <211> 130
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (9)..(9)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (99)..(99)
 <223> n is a, c, g, or t

<400> 127
 tttctatana aaaaaatttt ttaaaataat tgtaaagtta gattttaaatt tgtaaaatat 60
 aaaatcacia aggaatgtac ccaataaaat gtaaatgcnc cataaaaaaa aaaaaaaaaa 120

aaaaaaaaaa

<210> 128
 <211> 519
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (160)..(160)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (252)..(252)
 <223> n is a, c, g, or t

<400> 128
 cgntaacgtg caatccgccg cacgccagca aactggacaa actccgggat ctcatcgaag 60
 cgattgagca ccagtaccag agtaataccg gactgatgta acgaggcgag tcgctcatcc 120
 agcttgctga cgtgaggcaa catccaggcc atcgaacggn tcatcaagaa tcaacaagtc 180
 aggctccgac atcagcgcct gacacagcag ggtttttcgc gtctcgccag tggaaaggta 240
 tttaaagcgt cngtcgagga gggcggtaat accgaactgc tgcgccagtt gcatgcaacg 300
 cgggtgcatcc ttacttcat cctgaatgat ctgagccgta gtgcgtccgg tgccatcttc 360
 gccagggccg agcatatcgg tgttattccg ctgccattcg tcgctgacga gtttttgcaa 420
 ttgctcgaag gagagacgag tgatgtggga aaactggctt tgccgttcac ctttcaaaag 480
 cggaagttc ccccgccagc gcgcgggcca gggcccgat 519

<210> 129
 <211> 272
 <212> DNA
 <213> Homo sapiens

<220>
<221> misc_feature
<222> (31)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<400> 129
tttttttttt ttattctatt aaaaaatggt nntgaaaaaa gatacttaaa ttttaaagat 60

aactnaattc ctaangattt aaaataatcc aagcagagat gaaagancaa atgcaaattgc 120

ntaaaaagac cccanagcat tgtttagcaaa aagcaaatat agtttagccaa gcatatatat	180
ntcataaaaag caataanaag gcntaaagca agtttgggga gagcttattt aaaacttgta	240
aaaatcattt gaatttttaa aagttttcaa ac	272

<210> 130
 <211> 551
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (144)..(144)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (148)..(148)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (153)..(153)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (172)..(172)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (174)..(174)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (369)..(369)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (401)..(401)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (449)..(449)

<223> n is a, c, g, or t

<400> 130

tttggaaacac aaagttccct ttttagaaga ataggtattg agcccttgag cgtgggtaga	60
aagatagaga cagagtgatt tgcaaaataa tggaggatca tatttatata tgaattttca	120
cttatttgaa ctttcagata tcancttnaa aanctttggt ttaagtaaag tntnttaatg	180
agactccttg gatgaaagta accaaaacca gtaaaaataa ggtaataagg atgtaatagt	240
ttcttatgga cactcaacag ctagaatgca gttagtctca gaaaagaatt agaacaaata	300
actggaaggc catcaggagt ccaaaaccat cactctttta tattttatat tttatttttc	360
tctcttcana tgagcattct ctttctatgt ccatatggta naaggcggca gctccataga	420
ttatggcttc agatgttaca gttccgctna atgcagggac agacttgcta tctttcagtc	480
cccttacata tcctggggag agagcaaagtg attgactggc ttgagtcagg tgcccgttcc	540
ctttccaatc t	551

<210> 131

<211> 224

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (6)..(6)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (38)..(38)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (72)..(72)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (87)..(87)

<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (206)..(206)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (208)..(208)
 <223> n is a, c, g, or t

<400> 131
 gtttgnttgt gaccatctgt acttgtaatt tctttacntt cattgggatg aaaaatatgt 60
 tcttagaagc angaaaaaga attcagnttt gctttgtata ctaaattaaa tgctgtaatt 120
 ttgataaaat gaaaaatctg ctttatttgc aacaattggg ttcttccttg acgtcagcct 180
 cactcttgga ctttggtatt cagccngnca cccctgggaa ttcc 224

<210> 132
 <211> 349
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (325)..(325)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (336)..(336)
 <223> n is a, c, g, or t

<400> 132
 gtgcctccct gtgtgagtag cctaaggtgc attgaaaaag actgggatgt gttttatattt 60
 tttgtattag atagcattaa ccttactgtt gaagtatttt tggtggagta ttagtgacaa 120
 gccattgagt cttaagcctt acggcttcct ataaaatcac taatttcgtg tgtgtttgtg 180
 tgtaggttac gttatatata ggattcgtgt tcgccgtggg ggccgaaaac gccagttcc 240
 taagggtgca acttacggca agcctgtcca tcatggtggt aaccagctaa agtttgctcg 300
 aagccttcag tccgttgcag agganccgagc tggacnccct ggggggctc 349

<210> 133
 <211> 635
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (557)..(557)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (605)..(605)
 <223> n is a, c, g, or t

<400> 133
 ttaacagctg catagagttt taaaagtaca ttatatTTTtg tcagacaagt aaaatatctg 60
 tttttcacgc aaaaaaagcc atgaaatacg taatttttta aagacaaaaa atcatctttt 120
 gagtttgctc tttgggtttt cttcattcct tttgaggatt gggaaaacag aaagattctt 180
 tgatttggtt aatgaagagg taatttggtg cagtgtggtg gtaccaggaa gaaagaggat 240
 tggaaaggcc agtactgttt tagttgctcg gcaactgttg ttttgtttta atgtgggtgc 300
 cctgtccact acatggttct atcagtagtg taatccattt tcaatgtaaa gctcttttag 360
 tttttgtcat agacataaat taatatTTTtg agaggcatcc ctcacctgtt catttcttct 420
 gtgttgaaat gaagtactta aaattaccgt tatacatgaa ctttgtggac tgtaagattt 480
 gttatatatg ttcaaagcc ttttagctgg ctttttaatt aatatgctg ttttgagtgc 540
 ttaatacaat gtaatgngga ttgtaaatca tacctatTTTt aaatcattcc ttctgtata 600
 tttgnactca gagagcctta ttttattctt ccagc 635

<210> 134
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (193)..(193)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (249)..(249)

<223> n is a, c, g, or t

<400> 134

```
ttttcttaga actttatttt ttctggccag ggcagtggtc tcacacctgt aatcccagca      60
ctttgggagg ccaaggcagg tcgatcacct gaggtcagga gctcaagacc agcctggcca      120
acatggtgaa accctgtctc tactaaaaat acaaaaatta gctgggcgtg gtggcgcgtg      180
cctgtaatcc canctactca ggaggctgag gcaggagaat tgtttgaacc cgggaggcgg      240
aggttgcant gagccgagat tgcgccactg cactccagcc tgggcaacag agcgaaactc      300
catctcaaaa aaaaaaaaaa aaaacaacct ttattttttc tgattttaaa agtaataact      360
agttttaga  aacattaata gt                                     382
```

<210> 135

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (27)..(27)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (66)..(66)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (305)..(305)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (403)..(403)

<223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (424)..(424)
 <223> n is a, c, g, or t

<400> 135
 accctaaaca taacttaaaa tttgttngga atttgaaagt acagaatttt cctgtaattg 60
 agactnttta aacttttgtg gttggagaag gtattctatt ttttgaaaat atctgtaagt 120
 tttatctaaa tagtaaaactc taagtattct tcccctttac ttacagccac cctgggaatc 180
 tgagactaga gaaaataaag tttgtctctt gttctaagga gggctctgggt tagaaatctg 240
 atttagacat agaaaaattg caagaagctt gaggtgattg gaagatacga ttttgttatc 300
 aaagnatggt tctgttttat agattttatt catctacaac tccttattaa tatatttaag 360
 aagtcattaa cccaccattg attacttgat ataaaaggag aancgggtggt aaaagggtgaa 420
 atanaatttt taattttttt ttttttaagt ttaggatttt tttttaaatt ctaagagttt 480
 ctgtcatttg gggacaatca gaa 503

<210> 136
 <211> 576
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (48)..(48)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (319)..(319)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (557)..(557)
 <223> n is a, c, g, or t

<400> 136
 tgggaatcat aattngttaa ctgaagctna taagatgaga gcattcanag agaaaagaac 60
 ggaaagattg aatatcagtt tcccttcttt aaaaaaattg tggatatgtg atctagcttc 120
 ttgagcatca cagtgactga ttggctcgtg gtaattgac gctatgctga caatcttattc 180
 tccacctatg tcattcaatt ttctaagagg caaaatcctt aatcaggagg agagtttagc 240
 tctagctaaa tttcccttgt ccagcatgct cctgctcccc caacttgttg aaacagctaa 300
 aggattggac taggagcana agtttggaaat ggtaaaatg tagcaacatg tgtttcctga 360
 aaaaaattc cactataata aaaaaagcat ttgaatgctc ccttgtaatt ctgttgagc 420
 ttgttgctt ttttatgaca caaccataat cagtgataga cagtagcata aagaagcaag 480
 agcaaagcaa ttaagtaata atagcactac aaaaatgtgt gctgtactta ccaaacacga 540
 catttatgaa ttattanata ggaataaggg gatggg 576

<210> 137
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 137
 gaccagcca tctaaataag ttrtacatgt tgcgtatttt tttgttaggg acttatcttc 60
 cgaagaggaa aggtttatga aacctaaagt aacaatgata gcttggaatc aaaatgatag 120
 cattgttggc acagctgtga atgatcatgt cctcaaagtg tgggaattctt aactggaca 180
 actgcttcat aacttaatgg gacatgctga tgaagtatgt gttctggaga cacatccctt 240
 tgattccaga attatgttat ctgcaggaca tgatggcagc atatttatat gggatattac 300
 aaaaggtacc aagatgaaac attattttaa tatggtaagt gaagtgagat gtaccttgat 360
 acatgcttga taatttggtt agagtatttg gggtatgcgg cttaccacaga aattgatctg 420
 cttgttttgg cagtttggtt ttacaaatca acatattcaa agcctgctaa atattagaca 480
 gctacatgta tatacgtaac tacatgaa 508

<210> 138
 <211> 4
 <212> DNA
 <213> Homo sapiens

<400> 138
 tttc

4

<210> 139
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (384)..(384)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (403)..(403)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (412)..(412)
 <223> n is a, c, g, or t

<400> 139	
ctcgctggcg ggaggccacg ggctttccac agcgcggggg aacgggagggc tgcaggatgg	60
tcaagctgac ggcggagctg atcgagcagg cggcgagta caccaacgcg gtgcgcgacc	120
gggagctgga cctccggggg tgatctggac cctctggcat ctctcaaata gctgacttac	180
ctaagtatcc taagaaatcc ggtaaccaat aagaagcatt acagattgta tgtgatttat	240
aaagttccgc aagtcatagt actggatttc cagaaagtga aactaaaatt ttaatccagg	300
tgctgggtttg ccaactgaca aaaagaaagg tgggccatct ccaggggatg taaaagcaat	360
caagaatgcc atagcaaata cttnaactct ggctgaagtg ganaggctga angggttgct	420
gcagtctggc c	431

<210> 140
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (177)..(177)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (237)..(237)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (475)..(475)
 <223> n is a, c, g, or t

<400> 140	
gaagacctca catctgagag ctcatctgcg ttggcattct ggagaacgcc cttttgtttg	60
taactggatg tactgtggta aaagatttac tcgaagtgat gaattacaga ggcacagaag	120
aacacataca ggtgagaaga aatttggttg tccagaatgt tcaaaacgct ttatganaag	180
tgaccacctt gccaaacata ttaaaacaca ccagaataaa aaaggtattc actctancag	240
tacagtgctg gcatctgtgg aagctgcgcg agatgatact ttgattactg caggaggaac	300
aacgcttata cttgcaaata ttcaacaagg ttctgtttca gggataggaa ctgttaatac	360
ttccgccacc agcaatcaag atatccttac caaactgaa atacctttac agcttgtcac	420
agtttctgga aatgagacaa tgggagtaaa tattacacaa atacttattc attgnggtta	480
tttttataca gtagtgagaa gaatattggt cctaagttct tagatatctt tttttggatg	540
tgcaaaaatt tttggattga cagtaacttg ggtatacatg aactgaaat gccttacttt	600
ggatga	606

<210> 141
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (62)..(62)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (175)..(175)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (441)..(441)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (445)..(445)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (491)..(491)
 <223> n is a, c, g, or t

<400> 141
 tgccctgcggg ccaggacctc gcccagccca tggtcatcca gtcagccaac cagccctccg 60
 angggcaggc cccccaggtg accggcgact gagggcctga gctggcaagg ccaaggacac 120
 ccaacacaat ttttgccata cagccccagg caatgggcac agccttcctc cccanaggac 180
 ccggccgacc tcagcgctc ctgcaggcta ggacactggg gcactacacc ccatgcctgg 240
 gggccgagat tctccagcag aaagatgcaa tttttttgt ttcctttttt tccatttttt 300
 tctctaagga atcaatat tt caatatgttg agtgtgtgtc caatgctatg aaattaaaat 360
 attaaataac atatttatgg cattttcttg aagagtgtgg ttgaagaaat atttctcctt 420
 ttgtttttct ttttttttg nttgntactg ccacttcttt ttaggagcaa atctccccag 480
 ggggtgtacgg natttcttga ctctgggaac agctgctacc cccaagactt gccacgttgt 540
 tctgccctca aatggaatta agtg 564

<210> 142
 <211> 390

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<400> 142
ggaatatggt caggatcttc tccatactgt cttcaagaat ggcaagggtga caaaaagcta 60
ttcatttgat gaaataagaa aaaatgcaca gctgaatatt gaactggaag cagcacatca 120
ttaggcttta tgactgggtg tgtgttggtg gtatgtaata cataatgttt attgtacana 180
tgtgtggggg ttgtgtttta tgatacatca cagccaaatt atttgttggt tnatggacat 240
actgcccttt catttttttc ttttccagtg tttagggtgat ctcaaattaa gaaatgcatt 300
taaccatgta aaanatgant gctaaagtca gctttttagg gccctttgcc aataggtant 360
cattcaatct ggtattgatc ttttcacaaa 390

<210> 143
<211> 546
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (87)..(87)
 <223> n is a, c, g, or t

<400> 143
 acccgccatc ttccagtaat tcgccaaaat gacgaacaca aagggaaaga ggagaggcac 60
 ccgatatatg ttctctaggc cttttanaaa acatggagtt gttccttttg ccacatatat 120
 gcgaatctat aagaaagggtg atattgtaga catcaaggga atgggtactg ttcaaaaagg 180
 aatgccccac aagtgttacc atggcaaaac tggaagagtc tacaatgtta cccagcatgc 240
 tgttggcatt gttgtaaaca aacaagttaa gggcaagatt cttgccaaga gaattaatgt 300
 gcgtattgag cacattaagc actctaagag ccgagatagc ttcttgaaac gtgtgaagga 360
 aatgatcag aaaaagaaag aagccaaaga gaaagggtacc tgggttcaac taaagcgcca 420
 gcctgctcca cccagagaag cacactttgt gagaaccaat gggaaggagc ctgagctgct 480
 ggaacctatt ccctatgaat tcatggcata ataggtgtta aaaaaaaaaa ataaaggacc 540
 tctggg 546

<210> 144
 <211> 109
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (12)..(12)
 <223> n is a, c, g, or t

<400> 144
 acattttccg gnccttttgc catacacagt tacagagatc agtcaaattc ataccaccac 60
 tgagatctca tttattgcc aagatgcaca aaataaataa cccaaaatc 109

<210> 145
 <211> 374
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (272)..(272)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (292)..(292)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (362)..(362)
 <223> n is a, c, g, or t

<400> 145
 ccagcaacga cccatacctc agacccgacg gcccgagcgc gagcgcgccc tgccctggcg 60
 cagccagagc cgccgggtgc ccgctgcagt ttcttgggac ataggagcgc aaagaagcta 120
 cagcctggac ttaccaccac taaactgcga gagaagctaa acgtgtttat tttcccttaa 180
 attatTTTTg taatggtagc tttttctaca tcttactcct gttgatgcag ctaaggtaca 240
 tttgtaaaaa gaaaaaaaac cagacttttc anacaaaccc tttgtattgt anataagagg 300
 aaaagactga gcatgctcac ttttttatat taatttttac agtatttgta agaataaagc 360
 ancatttgaa atcg 374

<210> 146
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 146
 gtacaggagg taaattggat accccatcta aggggatctg tgagaccagg tagttatttg 60
 gaatgaaaga gtaagatatt aaaccagcca gcatgtcaac aggtgggtga tagtcttggt 120
 ctcacagaca acagatggcc atcatcttaa aacaacattt atgttaacca gcagataagg 180
 gactcctgca ttgtcagtgg actttgagcc tgagtttttc tacttgcata ggtgaaagtg 240
 gactgcaatg ctagtataaa tgccgtatga tgactagtac cccttaggga gctccagttt 300
 gccttcctgg ggaaccacag accccaagtg taatttcctg aggacagccc gacttct 357

<210> 147
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (63)..(63)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (101)..(101)
 <223> n is a, c, g, or t

<400> 147
 gttactgtga gcctgtcagt agtgggtacc aatcttttgt gacatattgt catgctgagg 60
 tgnacacct gctgcactca tctgatgtaa aaccatccca nagctggcga gaggatggag 120
 ctgggtggaa actgctttgc actatcgttt gcttggtggt tgtttttaac gcacaacttg 180
 cttgtacagt aaactgtctt ctgtactatt taactgtaaa atggaatttt gactgatttg 240
 ttacaataat ataactctga gatgtgtgaa aaaaaaaaaa aaaaaaaaaa aaa 293

<210> 148
 <211> 521
 <212> DNA
 <213> Homo sapiens

<400> 148
 ctgcggtgga gccgccacca aaatgcagat tttcgtgaaa acccttacgg ggaagaccat 60
 caccctcgag gttgaaccct cggatacgat agaaaatgta aaggccaaga tccaggataa 120
 ggaaggaatt cctcctgatc agcagagact gatctttgct ggcaagcagc tggaagatgg 180
 acgtactttg tctgactaca atattcaaaa ggagtctact cttcatcttg tgttgagact 240
 tcgtggtggt gctaagaaaa ggaagaagaa gtcttacacc actcccaaga agaataagca 300
 caagagaaaag aaggttaagc tggctgtcct gaaatattat aagggtggatg agaatggcaa 360
 aattagtcgc cttcgtcgag agtgcccttc tgatgaatgt ggtgctgggg tgtttatggc 420
 aagtcacttt gacagacatt attgtggcaa atgttgctg acttactgtt tcaacaaacc 480

agaagacaag taactgtatg agttaataaa agacatgaac t

521

<210> 149
<211> 470
<212> DNA
<213> Homo sapiens

<400> 149
aagctcatga ttttaaattgt attttttctaa taaactatac tcccatttaa aaatcaccaa 60
taccttaatg tttcaattat ataagctaataaaaaataaa ggctgggaggt ggtgggtcac 120
tttggaagac cgaggcaggc agatcacctg aggtcaggag ttcgagacca gcctgcccac 180
catggagaaa ccccatctct actaaaaata caaaattagc caggcatggt ggcacatgcc 240
cgtaatccca gctactgggg aagctgaggc aggagaatca cttgaacctg ggaggcaggg 300
gctgcagtga gccgagatca tgccattgca ctccagtctg ggcaacaata gtggaactcc 360
atctcaaaaa taataaaaaa aataaaaataa aaataaaatt caaacctaaa atagatgctc 420
tacttcagga gtgggcaaataaatcaacacctg catccttttt ttgggctttc 470

<210> 150
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (492)..(492)
<223> n is a, c, g, or t

<400> 150
tttttttcta aatgngatt actaatatat gtggagacta ttaattctctt ttctgttgcc 60
attagttcat ttttcccaa aagccaatac atgttcatta caaaaatgaa ttataaaata 120
taagttaaaa gaaaaacata aaaccctaca atcttaccac ccagacaac tactattaat 180

accttagtat taacatatac acatcatgta tatgtataaa tttatcttaa acaaaaataa	240
aattattctt tacatattgt tttaaacct atttatctgg ccagggtgccg tggctcacgc	300
ttgtaatccc agcacttttg gaggctgagg cacgtggatc acctgaggtc aggaattcga	360
gaccagccca gccaacatgg tgaaaccctg tctctaattgg tttaaatacc aaaaaattag	420
ctgggcatgg tggcacatgc ctgtaatatc agctaacatg ggaggctgag gcaggagaat	480
cacttgaacc anggaggggg aggttgagc gagccgaaat cacaccactt cactgcagcc	540
tgggcaacaa agcaagactg tctcaaaaag aaaaa	575

<210> 151
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (53)..(53)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (86)..(86)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (115)..(115)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (179)..(179)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (206)..(206)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (260)..(260)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (284)..(284)
 <223> n is a, c, g, or t

<400> 151
 cactgtcatt cccaggaggc tttggagtca gaactggatt caaattctga ctntatgttg 60
 tgtgacttgg gccaatagct tctttntgtg cctcagtttc tttagctgta aatanacggg 120
 taggtcaccc cttaccccat aggttatggg gaaagttaca gaaaatgggc agctgggcnc 180
 agtggctcaa gcctgtgggc ccagcncctt gggaggccaa ggtgagcaga ttgcttgagc 240
 ccaggagttt gacaccagtn tggcaacgtg acgaaaccct atcncctgtga aaaatacaaa 300
 aaattagcca ggcattgggtg tgtgtgtctg tggttccagc tgcttgagag tttgaagtgg 360
 gaggatcacc tgagcccaga aggtcgaggc tgcagtgagc tgtgatcgcg tcaactgcact 420
 ccagcctggc gacagagtga gaccctttt gaaaaaaaaa aaaaaaaaaat 470

<210> 152
 <211> 631
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (248)..(248)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (602)..(602)
 <223> n is a, c, g, or t

<400> 152
 gtgagcgggtg gtggtttatt cttccgtgga gttaagggtc ccgtggacat ctcaggtctt 60
 cagggctcttc catctggaac tatataaagt tcagaaaaca tgtctcgaag atatgactcc 120
 aggaccacta tattttctcc agaaggctgc ttataccaag ttgaatatgc catggaagct 180
 attggacatg caggcacctg tttgggaatt ttagcaaatg atgggtgtttt gcttgcagca 240
 gagagacnca acatccacaa gcttcttgat gaagtctttt tttctgaaaa aatttataaa 300

ctcaatgagg acatggcttg cagtgtggca ggcataactt ctgatgctaa tgttctgact	360
aatgaactaa ggctcattgc tcaaaggtat ttattacagt atcaggagcc aataccttgt	420
gagcagttgg ttacagcgct gtgtgatatc aaacaagctt atacacaatt tggaggaaaa	480
cgtccctttg gtgtttcatt gctgtacatt ggctgggata agcactatgg ctttcagctc	540
tatcagagtg accctagtgg aaattcgggg gatgggaagg ccacatgcat tggaaataat	600
ancgctgcag ctgtgtcaat gttgaaacaa g	631

<210> 153
 <211> 646
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (200)..(200)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (576)..(576)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (638)..(638)
 <223> n is a, c, g, or t

<400> 153	
tttttttttt ataaactcca atcatttcca gagctactta gctcagcatc ttttttttcc	60
acgctcttaa gttgtgttta tacatttttg atacagttag attgtttttg tcacattctt	120
cattctatcc tgggatcccc caaccaccta agtggatttt ttgataattt gcatgcttta	180
aggataactc ttcattctgn aaagggctat gggtttttggc aaatgcagag tcatgtatcc	240
aagattacaa tatcgcacag aagagtttca tcactatata aaactcacca gtcttctctc	300
tattcaacca tctccatgcc ttcttcccag ccctaactcc ttaaaaccac tcatatcttt	360
actattgcta tagtattgcc tcttccacca tgtcatataa atggaaacat acagtattag	420

tcttctcaaa ctagtttctt ttacctaaca acatgcattt aagattcata gtgtctttta	480
atgacttgat agattatttc tttgtagctg aataatattg catcttatag atgtaaccgt	540
ttgtatatcc atattttctc acagcctatg acttgncttt tgattctctg aacaggccat	600
tcacaaagca gaagttttaa tttttataaa gctaatgnat caactt	646

<210> 154
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 154	
cctggatgac agcatatctg tttatagctc agtttactga atactttaag cccactggtg	60
aaacctgct	69

<210> 155
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (500)..(500)
 <223> n is a, c, g, or t

<400> 155	
gatgcatgtc cagcataggc aggattgctc ggtggtgaga aggttaggtc cggctcagac	60
tgaataagaa gagataaaat ttgccttaaa acttacctgg cagtggcttt gctgcacggt	120
ctgaaaccac ctgttcccac cctcttgacc gaaatttcct tgtgacacag agaagggcaa	180
aggtctgagc ccagagttga cggagggagt atttcagggt tcacttcagg ggctcccaa	240
gcgacaagat cgtaggggag agaggcccag ggtggggact gggaatttaa ggagagctgg	300
gaacggatcc cttaggttca ggaagcttct gtgcaagctg cgaggatggc ttgggccgaa	360
gggttgctct gcccgccgcg ctagctgtga gctgagcaaa gccctgggct cacagcacc	420
caaaagcctg tggcttcagt cctgcgtctg caccacacat tcaaaaggat cgttttgttt	480
tgtttttaaa gaaagggtgan at	502

<210> 156
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (299)..(299)

<223> n is a, c, g, or t

<400> 156

ctgcgatnga gttttgagag gaaggantaa agtnctcatc tcnacgggtg agaaagatca	60
tnactaagga aacgcagggt tggaagcagt gctgantgtc cagttgagtt tcatgancaa	120
acatttgctg tgggaccagt tttcatggng gtttgtcatt ttgtccagct gcctggagct	180
gcttggttga aggcacagaa taatcaggat taattgttna acttgatatga atttctttat	240
tttaaaatag gaataatata tgccttggga gcaagttgta agagttaact gaaagcttna	300
ggaaaaactt tcccttgcta tttaagtagg gctttacaag ttacaattct atcacagttt	360
taagattata aac	373

<210> 157

<211> 155

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (9)..(9)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (21)..(21)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (26)..(26)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (36)..(36)

<223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (38)..(38)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (51)..(52)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (71)..(71)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (82)..(82)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (127)..(127)
 <223> n is a, c, g, or t

<400> 157
 gcggcgcan c tgccgatcca naaggncata aacgancnga acctgccaa nncgtgtgat 60
 atcaccttct nagatccaga cnacctctc aacttcaagc tggatcatctg tcctgatgag 120
 ggcttcnaca agagtgggaa gtttgtctca aaaaa 155

<210> 158
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (559)..(559)
 <223> n is a, c, g, or t

<400> 158
 gatttactgt ggaatttgc tcatgcaatt atggaaacct agaagtccca taatatgcca 60
 tcttcaagct ggaatcccag gaaagcaggt ggtgtaattc tgagattgaa gtcttgagaa 120
 ccggggggagt caatggtgta actcccaatc tagggcttaa ggcccaagga ccagggctgc 180

tggtgtgcag atgcaaatcc tggagttcaa aggattgaga accaggagct ctggtgtctg	240
agggcagtag aagatggatg ttccagctca agaagggaaa gtaagaatcc gtccttcctc	300
cacttttttg ttctattcag atgagccctc aatggactga acgatgctca cccacactgt	360
gagggctggt cttctttatt caatccactg acttaagtgc tgatctcttc tggaaacacc	420
ttcacagaca caccagaaa taatgttcta ccagccatgg gcctgttact tagcccagtc	480
aagttgacac agaaaattag ctatcacaac atctgtgtgt gtatatacat atgtatttgc	540
atgtgtgtgt atatatggng tatatatatt catgtgtgtg tatat	585

<210> 159
 <211> 454
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (428)..(428)
 <223> n is a, c, g, or t

<400> 159	
cttttgccag taggccccct gagtaggttc ctctatcttt tggcatgacc ccagaagtct	60
ttgataactt ccttgctttc tgatgtgaca agacatccag ggccagattg tccatatacct	120
gccccggatg cacgatgcac tgtttctcca agaatccctg tgccttttgc tgatgatgcc	180
atgattttaa gttctctaata atagttttat ctctttgttt cagataatgc ttttgtgttc	240
tcacatgtcc tgctctctct ctctctctca ttttgggtgt gatcagtctt tccataagat	300
tgtttatttc actagtcctt cattcttctt ttttctaaat ttactcttct tgactagtat	360
cctgtcactt ctgaggactc atatttttgc aacttgaaaa ttattcttat ttatttaagt	420
atatgttnct gaaactctca ttagacacat ttg	454

<210> 160
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (191)..(191)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (200)..(200)
 <223> n is a, c, g, or t

<400> 160
 gttaaaaaaa gtaaaaggaa ctcggaacaaat cttacccccgc ctgtttacca aaaacatcac 60
 ctggtagcat caccagtatt agaggcaccg cctgcccagt gacacatggt taacggccgc 120
 ggtaccctaa ccgtgcaaag gtagcataat cacttggtcc ttaaataagg acctgtatga 180
 atggctccac naggggttcan ctgtctctta cttttaacca gtgaaattga cctgcccgtg 240
 aagaggcggg cataacacag ctgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aatttt 346

<210> 161
 <211> 516
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (43)..(43)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (124)..(124)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (136)..(136)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (236)..(236)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (443)..(443)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (466)..(466)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (513)..(513)
 <223> n is a, c, g, or t

<400> 161
 cttttcatgg tctcttggtc attaatcatc taaaatccaa gcncagagaa ttcaatttta 60
 gatggtctcc agagcagaat ttgatgtata atcttaatta caaatcatag ataattaata 120
 ttgnttacia aatcanaata cgattagagg tagggatcct gcacacaccc tatttttctc 180
 cccagtgttc tgaccgagag actaattaat aattcaagga acttacagtg aatganaacc 240
 catggttttg cttaattatc agaacagcta gatctgagaa cagctgtctc ccacatggat 300
 agacacttat tccacccatt tgcaggtaga atagctggca ataataagtc cttcccattg 360
 gatatgttga aaggtgcctg ccatggcata gttgccacaa gagaggaaga aatggacaca 420
 aatgtaggct gttttcaggg canaggaag gtgggaggaa accaanttgc tggttttcac 480
 acaccctctg gggaacaccc atgcacctat ganatg 516

<210> 162
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 162
 gacaaaagct gagagaattt ttttcttgaa tatttgcact aaaagatagg ttaaaattct 60
 tcaggctgaa gagagcatac caggtggaga tttggatcta caaaaaggaa ggaagatttg 120
 gaaatggatt tggcaccatt gactcaattt ccagaacaag aaagcaggga cagttttggg 180
 aagctcaaga cacactgccc atgagcagca atttggacct cctgctgcat ccaactgtgca 240
 tcaaacacac actgtacaga caaagactcc caggaaaaga agtataaaca tggactaaca 300

cagagatggg caaactacag cctgtgaccc agccacctgt ttatgtagaa tccaaagtaa 360
gaatcttttaa cttacacata aactt 385

<210> 163
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 163
gacagcagag cacacaagct tntaggacaa gagccaggaa gaaaccaccg gaaggaacca 60
tctcactgtg tgtaaacatg acttccaagc tggccgtggc tctcttggca gccttcctga 120
tttctgcagc tctgtgtgaa ggtgcagttt tgccaaggag tgctaaagaa cttagatgtc 180
agtgcataaa gacatactcc aaacctttcc accccaaatt tatcaaagaa ctgagagtga 240
ttgagagtgg accacactgc gccaacacag aaattattgt aaagctttct gatggaagan 300
agctctgtct ggaccccaag gaaaactggg tgcanagggt tgtgganaag tttttgaaga 360
gggctgagaa ttcataaaaa aattcattct ctgtgggtatc caagaatcag tgaagatgcc 420
agtgaaactt caagcaaadc tacttcaaca cttcatgtat tgtgtgggtc tgttgtaggg 480
ttgccagatg caatacaaga ttcttggtta aatttgaatt tcagtaaaca atgaatagtt 540

tttcattgta ccatgaaata tccagaacat acttatatgt aaagtattat ttatttgaat	600
ctacaaaaaa caacaaataa tttttagata taaggatttt cctggatatt gcacgggaga	660

<210> 164
 <211> 549
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (300)..(300)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (335)..(335)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (347)..(347)
 <223> n is a, c, g, or t

<400> 164	
gacagcagag cacacaagct tntaggacaa gagccaggaa gaaaccaccg gaaggaacca	60
tctcactgtg tgtaaacatg acttccaagc tggccgtggc tctcttggca gccttcctga	120
tttctgcagc tctgtgtgaa ggtgcagttt tgccaaggag tgctaaagaa cttagatgtc	180
agtgcataaa gacatactcc aaacctttcc accccaaatt tatcaaagaa ctgagagtga	240
ttgagagtgg accacactgc gccaacacag aaattattgt aaagctttct gatggaagan	300
agctctgtct ggacccaag gaaaactggg tgcanagggt tgtgganaag tttttgaaga	360
gggctgagaa ttcataaaaa aattcattct ctgtggtatc caagaatcag tgaagatgcc	420
agtgaaaactt caagcaaatc tacttcaaca cttcatgtat tgtgtgggtc tgttgtaggg	480
ttgccagatg caatacaaga ttcttggtta aatttgaatt tcagtaaaca atgaatagtt	540

tttcattgt

<210> 165
 <211> 660
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (300)..(300)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (335)..(335)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (347)..(347)
 <223> n is a, c, g, or t

<400> 165
 gacagcagag cacacaagct tntaggacaa gagccaggaa gaaaccaccg gaaggaacca 60
 tctcactgtg tgtaaacatg acttccaagc tggccgtggc tctcttggca gccttcctga 120
 tttctgcagc tctgtgtgaa ggtgcagttt tgccaaggag tgctaaagaa cttagatgtc 180
 agtgcataaa gacatactcc aaacctttcc accccaaatt tatcaaagaa ctgagagtga 240
 ttgagagtgg accacactgc gccaacacag aaattattgt aaagctttct gatggaagan 300
 agctctgtct ggaccccaag gaaaactggg tgcanagggt tgtgganaag tttttgaaga 360
 gggctgagaa ttcataaaaa aattcattct ctgtggtatc caagaatcag tgaagatgcc 420
 agtgaaactt caagcaaadc tacttcaaca cttcatgtat tgtgtgggtc tgttgtaggg 480
 ttgccagatg caatacaaga ttcttggtta aatttgaatt tcagtaaaca atgaatagtt 540
 tttcattgta ccatgaaata tccagaacat acttatatgt aaagtattat ttatttgaat 600

ctacaaaaaa caacaaataa tttttagata taaggatttt cctggatatt gcacgggaga 660

<210> 166
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (527)..(527)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (530)..(530)
<223> n is a, c, g, or t

<400> 166
gaattgtgat agttcagctt gaatgtctct tagagggtgg gcttttgttg atgaggggagg 60
ggaaactttt tttttttcta tagacttttt tcanataaca tcttctgagt cataaccagc 120
ctggcagtat gatggcctan atgcagagaa aacagctcct tggatgaattg ataagtaaag 180
gcagaaaaga ttatatgtca tacctccatt ggggaataag cataaccctg agattcttac 240
tactgatgag aacattatct gcatatgcca aaaaatttta agcaaatgaa agctaccaat 300
ttaagttac ggaatctacc attttaaggt taattgcttg tcaagctata accacaaaaa 360
taatgaattg atgagaaata caatgaagag gcaatgtcca tctcaaaata ctgcttttac 420
aaaagcagaa taaaagcgaa aagaaatgaa aatgttacac tacattaatc ctggaataaa 480
agaagccgaa ataaatgaga gatgagttgg gatcaagtgg gattgangan gctgtgctgt 540
gt 542

<210> 167
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (220)..(220)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (245)..(245)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (351)..(351)
 <223> n is a, c, g, or t

<400> 167
 cttgaacctc ggaggcagag gttgcagtga gccgagatca cgccactgca ctccagcctc 60
 ggggacagag caagactcca tctcaaaaca cacacacaca cacacacaca cacacacaca 120
 cacacaaaac agatatacac tgaacacagc acaagtggga cataagagat ttaaaagggt 180
 tagagatgta aaatggatct aggaatggaa accataaggn gggatttatc aactggattc 240
 tgcanaatgc tgттаaggcc agatgttagc aggtgttaca taaaaaaggg ataccatgag 300
 caaaagtatt tgaacatggg caatggttga aacaagttta aacagattat ntttattacc 360
 aaatctctca aacctttaat atgctataaa cattgtgaaa caataaaaaa actttccaaa 420
 a 421

<210> 168
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (152)..(152)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (460)..(460)

<223> n is a, c, g, or t

<400> 168
gggaaggag ctatgagtgt gtgtgttgtg tatggactca ctcccagggt cacctggcca 60
caggtgcacc cttcccacac cctttacatt cccagagacc aaggagagttt aagtttgcag 120
ttacaggcca gttctccagc tctccatctt anagagacag gtcaccttgc aggcctgctt 180
gcaggaaatg aatccagcag ccaactcgaa tccccctagg gtcaggcac tgagggcctg 240
gggacagtgg agcatatggg tgggagacag atggagggta ccctatttac aactgagtca 300
gccaaagccac tgatgggaat atacagattt aggtgctaaa ccgtttatct tccacggatg 360
agtcacaatc tgaagaatca aacttccatc ctgaaaatct atatgtttca aaaccacttg 420
ccatcctggt agattgccag ttcttgggac caggcctcan actgtgaaag ta 472

<210> 169

<211> 638

<212> DNA

<213> Homo sapiens

<400> 169
ggcggaggtt gcagtgagct gagatggcgc cattgctctc ccagcctggg tgacaagagc 60
aaaactccgt ctcaaaaaaa aaaaaaaaaa aaaaagcaat ttacttaaaa acatacaaac 120
acagagacaa gtatTTTTga gaaacaaata cttttttcat tttttatacc aatgtaacaa 180
taatccatta aacacacctt tactaactgt tttctaggag tctgatgatga tgaggaaata 240
ggtaaacctt taatagccag tactaaatta gagtggcaca actttcactg ggaaaaaaga 300
tgggtatttt acttttctgt tttagaaaag tggcttgaca acagtatgct tatgtcttag 360
agtttgaaat tcaagttctt gaacattatt aatgggtaca atcattcata cccacattgg 420
gctgtattct tgatgaatcc aaagtgattt tcacctcaac tctgaatttc attctcctct 480
tttgaatata atacaacat ctactagag gaagcatttc agtcttttct gattggagat 540
tcattattgt tttagataat gttttcattt gcttatgggt atataaaaaa ttttatctta 600

aaaatatttc ctctcattta gctagcaaca ttgttttc

<210> 170
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (432)..(432)
 <223> n is a, c, g, or t

<400> 170
 ctcagggtga tctctgaacc caaacttgcc ccaaagaagg ttgctctgtc ctctccacat 60
 ccccatctcc tccctagggc cttgttgggg agaggctcct ccatctttcc caagtcacac 120
 catcgtttcc tacgtggtct ggacaagagc aagagcacac cttgtcccca ctttctccag 180
 agcagccaga acccacctca ggtgccttcc ccatccggtg cagttaaggc acttctgcc 240
 gcaccatggt atgagcacta gacttggagt taagatttga gagccccctc tgtcactgtg 300
 gaagcttgag catgttgctt gatctctctg aaccttgtgt ttctcatctg tgaaagggtga 360
 taatgtgggg ctgctgtgag atttaaagga cataatgcac ctacgggtcca agcactgcct 420
 ggaatacagc anaagctcaa cagatactgg acaaccatc cccttagtag aggcactaac 480
 catgtgaccc aaggcaaaag tgcttaaaaa aa 512

<210> 171
 <211> 580
 <212> DNA
 <213> Homo sapiens

<400> 171
 attgcatgca agtttgctga gctgaaggaa aagattgatc gccgttctgg taaaaagctg 60
 gaagatggcc ctaaattctt gaagtctggt gatgctgcc 120
 aagcccatgt gtgttgagag cttctcagac tatccacctt tgggtcgctt tgctgttcgt 180
 gatatgagac agacagttgc ggtgggtgtc atcaaagcac tggacaagaa ggctgctgga 240
 gctggcaagg tcaccaagtc tgcccagaaa gctcagaagg ctaaataaat attatcccta 300

atacctgcc	ccccactctt	aatcagtggt	ggaagaacgg	tctcagaact	gtttgtttca	360
attggccatt	taagtttagt	agtaaaagac	tggttaatga	taacaatgca	tcgtaaaacc	420
ttcagaagga	aaggagaatg	ttttgtggac	cactttgggt	ttcttttttg	cgtgtggcag	480
ttttaagtta	ttagttttta	aatcagttac	tttttaatgg	aaacaacttg	accaaaaatt	540
tgtcacagaa	ttttgagacc	cattaataaaa	gttaaatgag			580

<210> 172
 <211> 541
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (188)..(188)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (538)..(538)
 <223> n is a, c, g, or t

<400> 172						
gcaacctgca	caaccccgcc	ctgttcgagg	gccggagccc	tgccgtgtgg	gagctggccg	60
aggagtatct	ggacatcgtg	cgggagcacc	cctgccccct	gtcctacgtc	cgggcccacc	120
tcttcaagct	gtggcaccac	acgctgcagg	tgcaccagga	gctgcgagag	gagctggcca	180
aggtgaanac	cctggagggc	atcgctgctg	tgagccagga	gctgaagctg	cggtgtcagg	240
aggagatatc	caggcaggag	ggagcgaagc	ccaccggcga	cttgcccttc	cactggatct	300
gccagcccta	catccggccg	gggcccaggg	aggggagcaa	ggagaaggca	ggtgcgcgca	360
gcaagcgggc	cctggaggaa	gaggaggggtg	gcacggaggt	cctgtccaag	aacaagcaaa	420
agaagcagct	gaggaacccc	cacaagacct	tcgacccctc	tctgaaccaa	aatatgcaaa	480
gtgtgaccag	tgtggaaacc	caaagggcaa	cagatgtgtg	ttcagcctgt	gccgcggntt	540
g						541

<210> 173
 <211> 671
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (610)..(610)
 <223> n is a, c, g, or t

<400> 173
 ggaatagaat tttaaatagt aataactgct tgtttttttt gtgcaagtac ttttatacat 60
 aagataaaca aaaaccttac caccaaakat accaaaatgc acctctttca taagtgaatt 120
 actaagattt ctataactgg aatatcatgt atgtttcatt tactggatgt ttacatttta 180
 ggaaggaaaa tagttttgtt tatttaaaca actgaatact tataaactgt tgttcctgga 240
 agttatttat tccataaaaa atttgttctt ttgtcatgaa tttataattc ctaaatagaag 300
 accagaaagt acaaattgct gggaggaaga ataggcttta ttaatcaact gatgtcttga 360
 tttttctaaa tgggaagatt gctttatttt taacactaat tatgggagca gattcttagc 420
 aaacttcttt ggaaaagtta atgttatgat gtgcattagg ctgccccatc gtgtatataa 480
 atgaagcaga ttgatttttt gtattcttac gtttctctgc tttgtagttg tggctgtact 540
 taaagaaata cagaatttca tatatttaaa aatgttttaa atgtgacca cagacattgt 600
 aaatggattn aaaactaaca tgaaaaatat tcaacctaaa agaattctta acttcacaag 660
 tgttttactt c 671

<210> 174
 <211> 607
 <212> DNA
 <213> Homo sapiens

<400> 174
 cttggttccg cggtccctgc aaaaaatgcc cggcgaagcc acagaaaccg tccctgctac 60
 agagcaggag ttgccgcagc cccaggctga gacagggctc ggaacagaat ctgacagtga 120
 tgaatcagta ccagagcttg aagaacagga ttccaccag gcaaccacac aacaagccca 180
 gctggcggca gcagctgaaa tcgatgaaga accagtcagt aaagcaaac agagtcggag 240

tgaaaagaag gcacggaagg ctatgtccaa actgggtctt cggcaggtta caggagttac	300
tagagtcact atccggaaat ctaagaatat cctctttgtc atcacaaaac cagatgtcta	360
caagagccct gcttcagata cttacatagt ttttggggaa gccaaagatcg aagatttatc	420
ccagcaagca caactagcag ctgctgagaa attcaaagtt caaggtgaag ctgtctcaaa	480
cattcaagaa aacacacaga ctccaactgt acaagaggag agtgaagagg aagaggtcga	540
tgaaacaggt gtagaagtta aggacataga atttggtcat tgtcacaag caaatgtgtc	600
gagagca	607

<210> 175
 <211> 583
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (94)..(94)
 <223> n is a, c, g, or t

<400> 175	
gtcaccaaga gcttgttgtc aggttttcac ttgctattcg cagagatttt ttttaaaggc	60
actatttgta gtgttaaaag ggtgaattta tcanaaggca taataatcat aaatgtgtat	120
atgcctaata atagaacttt aaaaggcatg aagcaacact caaaaggatt aaaggagat	180
catctcacc ctttcttacc aattgataga atgatctgat gaaaacagta aaataacaac	240
agatctgaac actgtcaacc atcttgacaa atacttatgc ctagtggtcc attattggaa	300
cactaaacat gtggaatgat ttatataccta ctgctcaagg tcatcaccaa ggtctaattg	360
taaaatttca aaaaattgca acctcaggca taaatgggtt aatcgacatt tatagcacac	420
acatgcaaca tgtaccagag attccttctt ttctatgaac atggtacttc caccaagata	480
gaccacattg tgaactataa aacaaatcta aaaacatttg aatgaagga aattatataa	540
aatatgttct cttgatctca atgaaattaa attaatacta tat	583

<210> 176

<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

<400> 176
ctcatggcgg ccaatgtagg cccaaaactt cctcaagtca aactctccag gccacacctc 60
tgcttcccgg tggcatcaac aggcccagct ttgacttgag aacagcctct gcaggccctg 120
ctcttgccctc ccaggggctt tttccaggcc cagctcttgc ctcatggcag ctgccccagg 180
ccaaatttct gcctgcctgc cagcagcctc aacaggcaca gctcctccct cacagtggcc 240
catttaggcc caactcatga ctgtgaggcc atttccaggc ctagtgccctg cctcgtggct 300
gactcttgaa gcccaaaact tcttcaaatc agccttttgc ccaacttctg tctactgtcg 360
gactctacag gtcagcctct gcctcacagt ggaccctcca gaccagatg gtgtctnctg 420
tggcatcctc aggccaagct cctgcctttc ggcagcctct ccaggcccag ctccctcctgc 480
tccagccttc tctccaggct ctgaactttc tcaggctctc ctctgttgtc caaggctgga 540
gtgtagtag 549

<210> 177
<211> 662
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (581)..(581)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (602)..(602)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (644)..(644)

<223> n is a, c, g, or t

<400> 177

```
tatatatgta atgcccttaa cctagtgttt ggcattgatcg ttgctgaaag ggaagcttgt      60
gggtacagtg tcccctcaga agccaaagcc cagggaaggt cgctgcccc gggtcaggctc      120
ccagcgagtt tgtctgggga gggggcattc atacctccag gtcaggacag aggctcgggc      180
tgagggaacc ctacacaggt cctggaagca gatccttcct gcctaagcca gcaggacagc      240
tcaacaggaa gcatcttcca gccacgggag gagaggcagc accttttttg gaaccataca      300
gagctaagaa tgggtggtaca agtaatagat tctgtactgg caacccccact tgggtggagca      360
agttctagga aaaggggggt gtccttgagt cagccatggg gtcagccaca cagtcaccgc      420
agctgctctt tggcaccggg cgctggaaag acctaggatg acacagcctg gaaagagctt      480
gggaaaagct catcttccac agaactacct gctataccag ccagggcagg tgcttattcc      540
cacaacagcc ctctgttgta ggcggcagtg ccatacctgaa ngtgccgtgg taccttctga      600
anaccagct gagggcctgt aatggcactt gcatgccaca tggnacaccc tttcccgggt      660
aa                                                                    662
```

<210> 178

<211> 339

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (14)..(14)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (17)..(17)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (59)..(59)

<223> n is a, c, g, or t

```

<400> 178
accgcgggccc cgtnaanaaa aaaaaaaaaa gaattccact tgatcaactt aattccttnt      60
ctttatcttc cctccctcac ttcccttttc tcccaccctc tttccaagc tgtttcgctt      120
tgcaatatat tactggtaat gagttgcagg ataatgcagt cataacttgt tttctcctaa      180
gtatttgagt tcaaaactcc tgtatctaaa gaaatacggg tggggtcatt aataaagaaa      240
atctttctat cttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa                                339

```

```

<210> 179
<211> 457
<212> DNA
<213> Homo sapiens

```

```

<400> 179
ttagagaggt gaggatctgg tatttcctgg actaaattcc ccttggggaa gacgaaggga      60
tgctgcagtt ccaaaagaga aggactcttc cagagtcatc tacctgagtc ccaaagctcc      120
ctgtcctgaa agccacagac aatatgggtcc caaatgactg actgcacctt ctgtgcctca      180
gccgttcttg acatcaagaa tcttctgttc cacatccaca cagccaatac aattagtcaa      240
accactgtta ttaacagatg tagcaacatg agaaacgctt atgttacagg ttacatgaga      300
gcaatcatgt aagtctatat gacttcagaa atgttaaaat agactaacct ctaacaacaa      360
attaaaagtg attgtttcaa ggtgatgcaa ttattgatga cctattttat ttttctataa      420
tgatcatata ttacctttgt aataaaacat ttttccc                                457

```

```

<210> 180
<211> 658
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature

```

<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(178)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<400> 180
cgtctatttg ngtttcttct cacaattggg aagttctctg tattgattga tggctaagtt 60
tgattagtgt ttttctctag ttggaatta tattctagta tttatcatc ttattgttta 120
ctcaactnaa agtgnacacag aagagttgcc aggtttctct ttgatatgag atctctnntt 180
gatttgaat gcaaatcana agtgtcatgt tttgaataaa gggaccagat gacttatagg 240
tattctttct ctaaatataa ctaaggtaag atttttgttt tgagggtactt aatctatata 300
agtggtaaag aatttacttg aatttctcca aattctcatg tctaaagtct gattgattaa 360
attcattctt ggtatttcat tttgaaaaga atgtagcttt agcaaacctc tttgtataaa 420
tgcaagtggga ttaagggtcat ttaaaaaatt gttatatcat tgtattttta aaatttacca 480
gttttatttt tctttttacc ctttagcccg gcctcagaaa gtgtgtttgt gtccatttct 540
cccagcgcac cctctgcata tctctacca cttgtcataa ttcagcatcc agcagaggaa 600
aacaaagtgt tgcgtacagt tcctctacta gcagcatgcc tccccagga caagtgta 658

<210> 181
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (217)..(217)

<223> n is a, c, g, or t

<400> 181

```
ttattgctga cataaaaatg gtgcacatcg gccagggccc aggatgaatc agccaatctg      60
caccatttat acatggaact ggagaacatt gtgccaataa tcatttaata tatgccaaat      120
cttacacgtc tactctaaac tgctctaata aagtttcagt gaccttgagg gctaaagatt      180
gttcttcttg gtaagagctc ttgggctggt ttttcanagc agagtctctg ttgtgggtag      240
actgtgacta gggtcacagc ctttgtggaa cattccgtat aacggcattg tggaagcaat      300
aactagttcc tatgaaagaa ccagagctgg gaagatggct gggaagccag gccaaagtgg      360
gggcaacagc ttgcttctct ttctcttctc accctcagtt tgtatgggaa aatggagatg      420
tcctctccac tttatcccac gatatctaaa tg                                     452
```

<210> 182

<211> 209

<212> DNA

<213> Homo sapiens

<400> 182

```
caggatatcg agaccatccc agacagcatg gtgaaactcc gtctctactg gaatacaaaa      60
agttagccgt gtgtggtggc acgcgcctct aatcccagct attcgggagg cttaggcagg      120
agaattactt gaacccggga ggcgaagggt gcagtgagct gagatcgcac cattgcactc      180
caccctggcg acagagcaag actccgtct                                     209
```

<210> 183

<211> 541

<212> DNA

<213> Homo sapiens

<400> 183

```
cagccaaccc agaaggagcc agtctacaac tatgcctgat cctcctcatg gcaggccacg      60
aagcattgct gccatgtggt gaattataaa acccacattg ctttttgaac cctgttgcg      120
gtaaaaataa ccaaattatc agtccttggg aaccagga atcaagtga tacaaggtaa      180
agataagtat ggttagagg agaaattatg ttctgaact ggtgtccttt gatggcagcg      240
```


tcagccttgc taagtcagag tagagggagc agtgacctta ataagctttg gtgagcatca	300
tgtgcacgcg tgggtgggag tccctttcac tgatgctttt aaaagtgctt ttgcagaccc	360
tggaagggat cctccacaca tatgaggtgt gggacaggta ggccagagag gattagccct	420
gctttcgaga ctagaaatct acagtcctga aggagcagta attaattggt acacctgtca	480
gggccagccc ccaggtctcc tggctttttc caggttttct gtctcacatg attttgcttt	540
t	541

<210> 184
 <211> 640
 <212> DNA
 <213> Homo sapiens

<400> 184	
ctttaatttt tcaagtgttt aaaaaacaat tttatactta agccagcctt gaagataagc	60
acaaaattta ccagtttaca tttaaaaaac aaacaaaaaa cgacaacaac tcaagcacc	120
gctctgtgca tagcactatt ctagggtgcaa taaaagggaa tcttaacctt agaaatatga	180
gttcactttc tggaattgta ttatctcctt ttccagagag taaaaataaa taaaatcacc	240
attgtttact acagatctgc cccaaaccac atctgggttca cagaaaggct aatttctgcc	300
aaattaaaga tgtaatgaac tcagttcctg ctttcccaa aacacgaaag cagaattcct	360
tttcaactgaa aaaaataaac agttttccat gcaagggcag tttgcttcta ataagtattt	420
tttaaaaaat ttttttttcc tctagctttt ctttaaattt tcttcctcta atattgcctt	480
ttcttgtaca aggcagacca ggtatctttt tatgctgttt ttcctttact aagaaaagta	540
ttgcatcttg aagacaaacc atttcccaga gtagtgataa aaaataacac taaaaaaact	600
ttaaagggtga gtcacttcat caccttgatg aagtaaaaaa	640

<210> 185
 <211> 633
 <212> DNA
 <213> Homo sapiens

<400> 185	
ggaaaaaata tttccactta gatattttac atggttttgt ttaaaattac cattacttgt	60

tttttaaaaa cacatgacca catatgtata tgtatatcta cctaaacatt gtatcatggt	120
ttcagtatgt tattcatgta ttactgggag atgctaccaa gaaaccaacc caaagaaaat	180
tctggaaaat acattttctat ttatagaata aatgtttcat ttatataaaa gcaaaagaac	240
ttagagttct aataaatggg atgtctaata aattatgaag ttactgattt gaatatatta	300
tattttttata acttccttgc caaagtcttg atttagtaca ttagagaacc tgtgtttcct	360
ctctcctcta ccattcatct ctcttccata cagtcatttg ggctttttac tcaaagagaa	420
tcaagaaata ataaggtata acaagcttgg caaagtgttg gctttttaaa aaaaaatttt	480
tttaatctct agcagtttgg taatttagca gcatcattta tttgggattc ttttatctga	540
tttcaacagt gaaaaacatc cctatgataa agcctaata cccatttcca aaagatggaa	600
ttgcccttcc tagaaaatat gacggagaaa agt	633

<210> 186
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (210)..(210)
 <223> n is a, c, g, or t

<400> 186	
cgaatagcca agtgggtctga caagatcgag agtaatgagg ccatacttt agtacagtct	60
tgaatggcca gatgggtctg ggcatacccc aaccagagat atgtaagtct ttatgttgtc	120
aaaatttccc agaaacatga atttcccact aagattcatt aaggaaaact agaatgaaaa	180
caaaaacggt ccttgtataa tattcattan aaagaaatga agaaggccgg gcatggtggc	240
tcacgcctgt aatcccagca ctttgagagg ccaaggtagg cagatcatga ggtcaggagt	300
ttgagaccag cctggccaac atagtgaaat cccgtctcta ccaaaaatac aaaaaatta	360
gccgggcatg gtggcacaca cctgtcatcc cagctactca ggaggctgag gcaggagaat	420
tgcttgaacc tgggaggtgg aggttgcagt gagctgagat tgcaccactg tactacagcc	480
taggtgacag tgcaagactc tg	502

<210> 187
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (55)..(55)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (305)..(305)
 <223> n is a, c, g, or t

<400> 187	
cctatgccaa actaaagaaa gcttgccctgg cctacaggcc taaagggttca aatgnnggatt	60
aaaaaaacac agtagtcaca taaaatgtct gctggctggc tggaattcca tcacctacaa	120
tttacctgct ttcaaaaact gtgttcaaca ttgagaaaac agaaaaccac ttatcttgag	180
cttaatatgg gcttcttttt ccttaactgt agaacactta ctgaaatatc aaatcaatgg	240
ttaggatatg taccctaggc aggcctaaac cattaacact tggtttaagc aactttgtat	300
aattnacctc ctaa	316

<210> 188
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 188	
cttcatgagt gcccggttgc ccaagtcaaa aacctgggag tgatataaac tccccacaca	60
tccagtcagt cactcatcaa ctctattgat tctgctgcta aatatatctc aattgtatta	120
acttaaacad atgcataata catcttcttc ttactgcat tttgtgggc tgcacttacc	180
tttcaggtaa caacaacact ggccctctt gcccttctag tcagaagtgc caaatgatg	240
agagctagcc atgacaaacc cacagccaac attacactga atgtgcaaaa ctggaagggc	300
atccaaacag aggagg	316

<210> 189
 <211> 644
 <212> DNA
 <213> Homo sapiens

<400> 189
 tagaattctc gcctgccttg gcttctccct ctagttgttc cttctctgtc ttctgtgggc 60
 ttcttattgt ctgctcactc cttcttcagt gtcctctcat gggcttcctt cccttctcag 120
 ctgatgccat cacctgggga atcacagtta ctcagcagca ctggggcctc tctatctcta 180
 tgctgggtcat gcctatgtgt gagctgcaga cccagtggaa tttccatttg tgcattccat 240
 gccagccca cctccacca gcctcgaatg cagctgttca gccctacccc agtcctcaga 300
 aaagttcctc tccctggatc ctctttttcc ttcattgagt cccggttgcc caagtcaaaa 360
 acctgggagt gatataaact cccacacat ccagtcagtc actcatcaac tctattgatt 420
 ctgtctgcta aatatatctc aattgtatta acttaaacat atgcataata catcttcttc 480
 ttcactgcat ttttgtgggc tgcacttacc tttcaggtaa caacaacact ggccccctctt 540
 gcccttctag tcagaagtgc caaatgatg agagctagcc atgacaaacc cacagccaac 600
 attacactga atgtgcaaaa ctggaagggc atccaaacag agga 644

<210> 190
 <211> 631
 <212> DNA
 <213> Homo sapiens

<400> 190
 ctgaggtggg aggattccac tctcacccat ttcttctttc attttcagtt tctccagtta 60
 gtaactgaag atgttctttg agtaattaag tgagtgagaa aatttttaag tgagaaatct 120
 ataaaaagaa ccatgttaac ataaatattt cagtccttac aagttggtat tgacttttct 180
 cattggtaat ctgactgatt taatactgct cattccaata tctgggtgatg taattctggt 240
 tatgaatcct tgtattaata acacctcctg ggagggtttt tttccccaac attacattca 300
 gaatattaga gctgaaaata ccttttttaa gggtatcagg aggagggagc ttatgtttaa 360
 tgtggtggat aaaacttaac tgctgggttaa tacaattggt attcaggtga aattccctaa 420

acttttcacg tgcaaagttt tgtatgtata cagacatttg gggaaaagtt ttatcatccc	480
taaaaccggt tactgtccag aaaatgataa gaatccctgg gttccaaatc cttcataagg	540
tatttattca tttattttatt caacacattt actcaatgcc tccgctctgc tgcaactaca	600
ctgacattct gcttctaatac taaccgaaaa t	631

<210> 191
 <211> 638
 <212> DNA
 <213> Homo sapiens

<400> 191	
tttcaaattg tacaataaca caaacaactt tgtaaggcc atgttttatt tgctgattaa	60
tggacaaaag gcaatgtaat ttattttcaa gtattttctt gaaagtctgt gctcataaaa	120
atcatgaaaa gttggaaaga ctgttaaatac actgaaactt caaatatatc ttacacaatc	180
ttgtttgtac aaaaatacaa gttaaataa aacataaagc aatcatggta attttatgca	240
aatctgtttt atgtgatcat cagttatata taaaagtttc tcagttctgt tatttgtgaa	300
aagatcaata ccagattgaa tgactaccta ttggcaaagg gccctaaaaa gcttacttta	360
gcactcatct ttacatggg taaatgcatt tcctaatttg agatcaccta aacactggaa	420
aagaaaaaaaa atgaaagggc agtatgtcca taaaccaaca aataatttgg ctgtaatgta	480
tcataaaaca caaaccaccac acatctgtac aataaacatt atgtattaca tacacacaac	540
acacacccag tcataaagcc taatgatgtg ctgcttccag ttcaatattc agctgtgcat	600
tttttcttat ttcatcaaata gaatagcttt ttgtcacc	638

<210> 192
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 192	
gtaaactgtt ctctccgagg gaaaaaatgg aagttatcct cacagttcac tgccgtggta	60
tttcttctgt cccatgcttt gcatgactgc catggtacag ccttgtttca aactgttcac	120
tgtgatctgt gggcttttga gtttcagtga gtttgctgaa atgtcgaaga agtagttcca	180

aacttcaatg ttcaatgaaa tttttgttca agtttgaaat ggagagagca gctttaaaag 240
gtactaagcc ttttaciaaat tgggtgagtac tggcacatga gat 283

<210> 193
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<400> 193
tttttttttt tccttaaaag gtaacccta aacacagcta aaactatgcc atcagctgac 60
tccaaggnac acacagtcct gtatctggaa ctactgagtg gcaggcatct ttctctgcct 120
ctgacagtgg agtccccatc actgcagagc atagccaaag gagtcaaagg tctcagcggg 180
tcactgcctt atcaaccctc accagtcctt tatgtttttt aatattttat aatcttgaca 240
tgacaccaag atgctttaat aaaaaagcac ctctaactcg gtcttgtatt cacttacctt 300
gagcctggga cttctctagg ctctgaggc aaaaacaggt agaggggaga tgggtggaaca 360
taaaacacaa ttttgcttgg caccacctt ggcgtctgtc cccatgacca ggtctttcaa 420
ttcgatgatt ttgtcattga tggaggagcg atatcgtttc tcaatgatat tatgggttgt 480
ccgcctttct ccttctttgg ggggctcaag ctgcttgact cccccaggta cctgcttaat 540
ggggcacttt ctcttgcccc atcattacag gcattgtggt cagaatggtc ccactgctgc 600
ccaccagggt cta 613

<210> 194
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<400> 194
ctagtctttt catagtctgc atagagtctg gccattacca tcagttttta agatgtccat 60
attgtggccg ggcgcggtgg ctacgcctg gtagtcccag cactttggga ggctgaggca 120
ggtggatcat gaggtcagga gatcgagacc atcctggcta acacggtgaa acccgtctct 180
actaaaaaaaa atattaaaaa attggccagg cctgggtggtg ggcgcctgtg gtcccggctg 240
cttgggaggc tgaggcagga naatggtgtg aacccggaag tcggagggtg cagtgagcca 300
agattgcacc tgggcaacac agcgagactc cgtctcaaaa aaaaaaaaaa 350

<210> 195
<211> 541
<212> DNA
<213> Homo sapiens

<400> 195
caattattta ttacctttcc atttgttcgc ctgatgatgt gacaatgcat ggtctttgtg 60
catgctgcta gacacttttc tttcccagcc gaaaagtcta ttatgtaatt ttacattca 120
taattttaat gtggatgatc aggattaaat caagatatat atctggaacc tcttataaat 180
ggagcactta gaaatttggt gttctgcact taacctagag agagaaaaaa tgcttttctt 240
tgtgaaaaat ctgaattcct gtccctgacct tctgtgatgt ggaaacccta ggctctgaga 300
cacactctct ggtgtctgag acagaaccaa agcaataacg ttgtgatgcc cacaggcctg 360
gagccagcta gcgaccttgt gccgcccagc tgtccatggc ccgtgcagag cagaggacag 420
tgagtgtctg cactgagaac cttaaaccac agttgaacat acccacacct gtttgtctta 480
agctatagtg taaaaacaaa gtttgggctc tgaaaattta actgaaaaag atttccttgt 540
t 541

<210> 196
<211> 336
<212> DNA
<213> Homo sapiens

<400> 196
gtggcagcag gcgcagccca gcctcgaaat gcagaacgac gccggcgagt tcgtggacct 60

gtacgtgccg cggaaatgct ccgctagcaa tcgcatcatc ggtgccaagg accacgcac	120
catccagatg aacgtggccg aggttgacaa ggtcacaggc aggtttaatg gccagtttaa	180
aacttatgct atctgcgggg ccattcgtag gatgggtgag tcagatgatt ccattctccg	240
attggccaag gccgatggca tcgtctcaaa gaacttttga ctggagagaa tcacagatgt	300
ggaatatattg tcataaataa ataatgaaaa cctaaa	336

<210> 197
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (128)..(128)
 <223> n is a, c, g, or t

<400> 197	
cagcagcaga aatgttttgca agataggcca aaatgagtac aaaaggctctg tcttccatca	60
gacccagtga tgctgcgact cacacgcttc aattcaagac ctgaccgcta gtagggaggt	120
ttattcanat cgctggcagc ctcggtgag cagatgcaca gaggggatca ctgtgcagtg	180
ggaccaccct cactggcctt ctgcagcagg gttctgggat gttttcagtg gtcaaaatac	240
tctgtttaga gcaagggctc agaaaacaga aatactgtca tggaggtgct gaacacaggg	300
aaggtctggt acatattgga aattatgagc agaacaata ctcaactaaa tgcacaaagt	360
ataaagtgtg gccatgt	377

<210> 198
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 198	
tactcaatga aaaaccatga taattctttg tatataaaat aaacatttga aaaaaaaaaa	60
aaa	63

<210> 199

<211> 565
 <212> DNA
 <213> Homo sapiens

<400> 199
 caggatcaag gtgaaaagga gaaccccatg cgggaacttc gcatccgcaa actctgtctc 60
 aacatctgtg ttggggagag tggagacaga ctgacgcgag cagccaaggt gttggagcag 120
 ctcacagggc agaccctgt gttttccaaa gctagatata ctgtcagatc ctttggcatc 180
 cggagaaatg aaaagattgc tgtccactgc acagttcgag gggccaaggc agaagaaatc 240
 ttggagaagg gtctaaagggt gcgggagtat gagttaagaa aaaacaactt ctcagatact 300
 ggaaactttg gttttgggat ccaggaacac atcgatctgg gtatcaaata tgacccaagc 360
 attggtatct acggcctgga cttctatgtg gtgctgggta ggccagggtt cagcatcgca 420
 gacaagaagc gcaggacagg ctgcattggg gccaaacaca gaatcagcaa agaggaggcc 480
 atgcgctggg tccagcagaa gtatgatggg atcatccttc ctggcaaata aattcccgtt 540
 tctatccaaa agagcaataa aaagt 565

<210> 200
 <211> 629
 <212> DNA
 <213> Homo sapiens

<400> 200
 cagaagagta agcaaattct aaagcagcga aagggaagaa actaaaaaag gtagagcaga 60
 aataagagaa aatagagaag agaacaattg agaaaaataa ttgaaaccaa aaggtgggtc 120
 tttgaaaagc ctaacaaaat ggacacatct ttagttagag tgaccaagaa aaaagggcag 180
 tgactcagat tacttcattc aagagtgaaa gagggcacat cactaccaat ttacagaaat 240
 aaaaaggatt atgaggaaat actacagata attgatgaca ttaacttaga agaatatatt 300
 tcaagaaaga cacaactac tgaaaccgac tcaagaagaa acagaaaatc tgaacagacc 360
 tataaaaaat agagatttaa ttgatattca gaaagtttcc caaaaagaaa agcactggcc 420
 aagatgactt cactggtgaa ttctatcaag tgtcaaagat gaattactga cattcattca 480
 cactccttta agaaatagaa gaggggacat cacttttcaa agcatcgaca ttctaatacat 540

tagtcccttg gtttctgct cccaaagcca ggtgatgtat cacaaaaaaa cccctacaga 600
cccactgggc acaatggctt tatgcctat 629

<210> 201
<211> 98
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<400> 201
ctttgctcga atngtcagat aaggattctg tgaanggaga tgagatttcc atccatgctg 60
actttganaa tacatgttcc cgaattgggg nccccaaa 98

<210> 202
<211> 224
<212> DNA
<213> Homo sapiens

<400> 202
ctcaagtgtt ccctcagctt aggctttggt taaatgatcc caccagggg cgatggtagg 60
gaacaacagg gtcactaaac tatttggtg gctacaactc tgggaaatgg taagacaggg 120
aaaggccatg ttgttcattc ccttgtgcag atctagggag aaccgcagag agaacagtta 180
gcatttcttg ttcaatgaat taccctatta agaactgg atgt 224

<210> 203
<211> 81
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<400> 203
cggnccgcggt cgacgctact cctacctatc tcccctttta tactaataat cttataaaaa 60
aaaaaaaaan aaaaaaaaaa a 81

<210> 204
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (265)..(265)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (293)..(293)
 <223> n is a, c, g, or t

<400> 204
 ggcatgtgcc tgtagtccta gttgctgagg taagaggatt gcttgagccc aagagttcaa 60
 ggctgcaaca agcttttgatt ggcgcactgc actccancct tggcgacaga ctaaaacgct 120
 gtctcaaaaa aaaaacaaaa acgacnaaaa aaaaacaaaa cagaaaaaat taacttaggc 180
 aatgacagtc cctggcaaat gctgggaggg aggcaacant ggtcaaggaa ggtaaccctg 240
 aancaggact tgtaaagcaa ataanattgg gaggccaagg tgggtggatc acnaggctag 300
 gagtctgaga ccaacctggc caacatagtg aaaccccgtc tttctaaaaa tacaaaaaaa 360
 tt 362

<210> 205
 <211> 581
 <212> DNA
 <213> Homo sapiens

<400> 205
 gacaaaagaa ccatttgat acataggtat ggtctgagct atgatatcaa ttggcttcct 60
 agggtttatc gtgtgagcac accatatatt tacagtagga atagacgtag acacacgagc 120
 atatttcacc tccgtacca taatcatcgc tatccccacc ggcgtcaaag tatttagctg 180
 actcgccaca ctccacggaa gcaatatgaa atgatctgct gcagtgtctt gagccctagg 240
 attcatcttt cttttcaccg taggtggcct gactggcatt gtattagcaa actcatcact 300
 agacatcgta ctacacgaca cgtactacgt tgtagctcac ttccactatg tcctatcaat 360
 aggagctgta tttgccatca taggaggctt cattcactga tttccctat tctcaggcta 420
 caccctagac caaacctacg ccaaaatcca tttcactatc atattcatcg gcgtaaatct 480
 aactttcttc ccacaacact ttctcggcct gtccggaatg ccccgacgtt actcggacta 540

ccccgatgca tacaccacat gaaacatcct atcatctgga g

581

<210> 206
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<400> 206
ttcaaattct tgntaanagt ctttggtctg aattttactt tgtctgttat tcctatagcc 60
tttccaattt tctttcgctt ggattttacg tgataagttt tttcccccat tttactttta 120
ncaactctat attttttagt tgagggtggg tttcttgtaa acagcatata atttgggttt 180
tttaatccaa tctgaaaatt aatgtcctta attttgtgtt tataccattt acacataatg 240
tactcatata taagggttaa ctgaaaccta ctatcttgct agttgtgctc tacttgaatt 300
tttttttagt attctgtttt aattgaccaa catttgactg tatctctttg tgtaattctt 360
ttacagggtg ctgtaggcat gacaatatat acacttaact tttctcagta cactgagagt 420
tgaaattgta gtacttcgag gaaaacatag aaaacttgca atgatatcgg ttacatttta 480
ccacctccat atgttgcaat tattaaatgt attagatctg cctacctcga aaacccatca 540
gtcttttaac tttgctctca atgggtgattc atatttttaa aaaaacttga ggcaa 595

<210> 207
<211> 522
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (504)..(504)
 <223> n is a, c, g, or t

<400> 207
 tcgaccgggt ttggagcagt gccttgtttg ctgtgcagcg gatactctac aggtacattt 60
 ccttttttga accaaaaggg agggatttga caatattgat ggtagatcct ttttcttttag 120
 caagaattaa ggatttttggg ggggtgggggg aggcttctgt ggggaccaag acaatgtact 180
 gtcagtcagg atttaagtcg aactacctca tcccttgccc cagagaacag ttgatcgtgt 240
 tttaaaccaa aaggtgcgga atggagagag ggaggcgggtg cattgcagct tccgatagag 300
 cttttttattt ttggatatca ggaaccaatt ttgaagattt cttaagaaag tcattttacat 360
 cagggacatg aagagcaaag taggtatttt tggtcagtac ttgaatttga taggctttat 420
 gcaaacaact ctccctctgc tggagtctgg caagtttgct tttcactgga cgctaattca 480
 agtgccatac aaaactaaaa taanagtttt acttataaca ca 522

<210> 208
 <211> 585
 <212> DNA
 <213> Homo sapiens

<400> 208
 cagaaatcgc aattgaagac cagatttgct aaggtttgaa actgacattt gatactacct 60
 tctcaccaaa cacaggaaag aaaagtggta aaatcaagtc ttcttacaag agggagtgtg 120
 taaaccttgg ttgtgatgtt gactttgatt ttgctggacc tgcaatccat ggttcagctg 180
 tcttttggtta tgagggctgg cttgctggct accagatgac ctttgacagt gccaaatcaa 240
 agctgacaag gaataacttt gcagtgggct acaggactgg ggacttccag ctacacacta 300
 atgtcaatga tgggacagaa tttggaggat caatttatca gaaagtgtgt gaagatcttg 360
 acacttcagt aaaccttgct tggacatcag gtaccaactg cactcgtttt ggcattgcag 420
 ctaaatatca gttggatccc actgcttcca tttctgcaaa agtcaacaac tctagcttaa 480
 ttggagtagg ctatactcag actctgaggg ctgggtgtgaa gcttacactc tctgctctgg 540

tagatgggaa gagcattaat gctggaggcc acaagggttg gctcg 585

<210> 209
 <211> 624
 <212> DNA
 <213> Homo sapiens

<400> 209
 gagacacgag catatttcac ctccgctacc ataatcatcg ctatccccac cggcgtcaaa 60
 gtatttagct gactcgccac actccacgga agcaatatga aatgatctgc tgcagtgctc 120
 tgagccctag gattcatctt tcttttcacc gtaggtggcc tgactggcat tgtattagca 180
 aactcatcac tagacatcgt actacacgac acgtactacg ttgtagccca cttccactat 240
 gtcctatcaa taggagctgt atttgccatc ataggaggct tcattcactg atttccccta 300
 ttctcagggt acaccctaga ccaaacctac gccaaaatcc atttcactat catattcatc 360
 ggcgtaaatc taactttctt cccacaacac tttctcggcc tatccggaat gccccgacgt 420
 tactcggact accccgatgc atacaccaca tgaaacatcc tatcatctgt aggctcattc 480
 atttctctaa cagcagtaat attaataatt ttcattgattt gagaagcctt cgcttcgaag 540
 cgaaaagtcc taatagtaga agaaccctcc ataaacctgg agtgactata tggatgcccc 600
 ccaccctacc acacattcga agaa 624

<210> 210
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 210
 acctgaggcc tcggtggggc cagtgcgacg ctggcttaag gagctggagg ggttcctaata 60
 acacatttaa ttcagtttct cttccctaag aggctgccgg agttggggcc tcctccagca 120
 gagaccctcg gacccttgca gggcctggac ttgggggtgaa cagggcttca gtcagcgcaa 180
 gtattccatt tgcatttggt aatttttcat gccacctatt tatgaatata taaatcttta 240
 taccaaattct attttttaaa acatggaaaa gttgccttta tggaaacttg gcagagccag 300
 agtgtacaca ttcctaaacc attaaacaga tttctata 338

<210> 211
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 211
 ggataatgat acctctgacc tttcttcctt ttgggaagta cttgagtgtg cagctgcatg 60
 aggccctcagc aggagagaga ttttaggtcc aagaagctat accagtagga caaggcagga 120
 aaatactaca ctttcaggat caagcccctc tgactctcat ttggaaactg gatggttgct 180
 aagcacctgc ttcttaagga tgccgagggg tttaatgata ctcccagaaa cctggagaga 240
 ttaatggggc ctatggagaa gtgctctgaa ctcaagtgtt ggacttgaat aaaattaacc 300
 attgtcatgt tttcagaaca actaagctgt tttatatattc atgtgcatga aagccctaga 360
 actaagttgt gttattttcca gaaatgaaat agatcccaca gttagatgat gtggccatta 420
 ggaagtacca aatttataaa aatcactgga ggtctgtctg agcagtacct aataaaatat 480
 agtatactga aagtgaacag atctttgtct ctttctttgg ctgcttgata ctttatctgt 540
 gtctgccgga cagtgc 556

<210> 212
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 212
 caataaaagc aggttaacct caatgatagc agttaaagt ttctatctta tgtatttctt 60
 ttaagtatta ccattatggt gctactgagc gttttctttt ggtaaaaaga aaaatgccat 120
 gggctgcagt cttcttccat cacttttccc taccaggtcc attaatatgc ttataacact 180
 agtgccagtt attttatttg ataatgctta tggatattgt atatttgttt gcattccaat 240
 tttgtttaat aatgagtgtg taaactgcat acgttaaata aatgtaaata ctaatgtact 300
 gctgc 305

<210> 213
 <211> 495

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<400> 213
ttttattacc caagttttaaa cctctgtctg gtgatttggt gttggttggt ttgtngttgt 60
tggtgaagtt caggctgcat gtgggatagg tttgctcagg cataacttctt aggaagtagt 120
cacttgcatg actgtttttg ggataactct ttgagtattt ggagaggtct attgtaactt 180
ctgaaaggca ttgttttttac gtatgaatgt tctaaaattc attctaaatg gtcataaaaa 240
gaaaaggatt cacatttttag aatggcaata gtccctgagg actattatgt ctttttagatt 300
tcctgtgggt ttctaggaat gttagtgtaa cttanatttc cacctacctg atttctggat 360
gtgcctattg gaacttgctg agatcttttt ttttccttaa catgttggtcc ccttgacccg 420
tacttcgaaa ctaaacatat tattttattt gcttacactt caggaggcaa ttggcagaca 480
ccaggccaac agtct 495

<210> 214
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<400> 214
gctctgaccc cagttggaaa tgtatctgta ctttgtccgg cttccactca aggaccattt 60
atgacattgc ttggtgtcag ctgacagggg ctctggccac agcttgtggg gatgacgcga 120

tccgcgtggt tcaggaggat cccaactcgg atccacagca gcccaccttc tccctgacag	180
cccacttgca tcaggcccat tcccaggatg tcaactgtgt ggccctggaac cccaaggagc	240
cagggtact ggccctcctgc agtgatgatg gggaggtggc cttctggaag tatcagcggc	300
ctgaaggcct ctgagctacc tcgactttgg acagagtaat gactccccag aaaacgtcat	360
ataagacttt accagcccct gagaggacca ggaggagcat ccttgacctt catttaactt	420
ggctcacttc tcttcanact tgggtagaag tgcagagcca caaaattgct ttccttcccc	480
gcctttgaca tgaggccttc agtaaag	507

<210> 215
 <211> 17
 <212> DNA
 <213> Homo sapiens

<400> 215	17
tgccaggatcc gtcgact	

<210> 216
 <211> 576
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (566)..(566)
 <223> n is a, c, g, or t

<400> 216	
gagaaatata agattatgta tagatcaaat ctacctctat ttggtgtcct gaaagagatg	60
aggagaatgg gacaaacttg gaaagcttat ttcaagataa cattcctgag aacttccccca	120
atcttgctag agaggccaac attaaaattc agtaaattgct gaaaactcca gtaagatatt	180
tcttaagaaa attattccca agatatatac tcatcaaatt atctaaggtc aaatgaagga	240
aaaaatttta taggcagcta gagagaaatg tcagggtcacc tacaaagaga atggcataag	300
acaaaaagta gaactcccag cagaaactct aaaagccaga agagattagg ggccaatatt	360
taacattctg aaagaaattc caacaaggaa ttcatatcc agccaaacta agcttcataa	420

ttgaaggaga aataagatat tttccagaca agcaaagtct gatgaaatcc atcaccacca	480
gacctgcctt ataagagctc ctgaggggaag cactaaatat tgaaagggaa gaactttatg	540
aaccatttca aaaacacatt taagtnacaca aagcag	576

<210> 217
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 217	
ccttattttta caggtgaaaa accacgaatc agatagattt ttatttgccc aagtcacata	60
atattaagaa caggccaagt gtggtggctc atgtctgtaa tctgagcact ttgggaggct	120
aaggcgggtg gatttctctga gcctaggagt ttgagatcag cctgggcaac atggcgaaac	180
ctcatctcta caaaacatac aaaaattagt cagtgtggtg gtgagagcct gtagtcctgg	240
ctactcgtga ggctgagggtg ggagcatcac ctgagcctgg gaagtcgagg ctgcagtggc	300
aacagaatgg gtaacctgga catcagagtg agaccctgtc t	341

<210> 218
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (439)..(439)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (484)..(484)
 <223> n is a, c, g, or t

<400> 218	
ctcacacctg taattccatt actttggaag gctgagagag gaggatcagt ggagcccagg	60
agtttgagac cagcctgggc aatataggga gaccctgtct ctacaaaaat gaaatagcca	120
ggcgagggtg catgtgcctg tgggtcccagc tacttgggag actgagggtg aaggctgcct	180
tgagcccagg agttccaggc tgcagtgagc catcattatg ccactgcact ccaacctggg	240

agacagagtg agagagaccc tgtctcaaac aaacaaaccc aaaataggcc aggcacagtg	300
actcatgcct gtaatcccag cactttggga ggctgaaata ggcggatcat ttgaggtcag	360
gagttcaaat tcaagaccag cccggccaac atggcaaac cacatctcta ctacaaataa	420
aaaattagtt ggggtgtgng gagcattcct gtaatcacag ctattcagga ggctgaggca	480
tganaaccgc ttca	494

<210> 219
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 219	
taaatttaaa acattttaat tagctggcat gatggcatgc acctgtagtc ctacctactt	60
gggaggccaa ggcaggaaga ttgcttgagc ccaggagttt gagcttactg tgagctgtga	120
tcacaccact gcactccagc ctgggtgaca aaggaagacc gtattttctaa aaaataaaaa	180
atacaaatac aactacaaac tagcactaga ccaacagtga ctatgtacca tgaactgagg	240
aatattatta attccaccat ttgcatctga ggttaacaat atgtcaatga cttaaataac	300
atcatatctc tgagagtaat ttctcctata tttccatgac aaatgttaga taattttcca	360
ttttttccat tcaacaaaa	379

<210> 220
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 220	
ttttcaggca tgtcagagaa gggaggactc actagaatta gcaaacaaaa ccaccctgac	60
atcctccttc aggaacacgg ggagcagagg ccaaagcact aaggggaggg cgcataccg	120
agacgattgt atgaagaaaa tatggaggaa ctgttacatg ttcggtacta agtcattttc	180
aggggattga aagactattg ctggatttca tgatgctgac tggcgtagc tgattaaccc	240
atgtaaatag gcacttaaata agaagcagga aaggagaca aagactggct tctggacttc	300
ctccctgac cccactctta ctcacacct gcagtggcca gaattaggga ctcagaatca	360

aaccagtgta aggcagtgct ggctgccatt gcctggtcac attgaaattg gtggcttcat	420
t	421

<210> 221
 <211> 598
 <212> DNA
 <213> Homo sapiens

<400> 221	
gattaacttt cattttaagc tcttctctac taattctggt cgtatgttta ttcattttgc	60
gttgatcata ttttgtacac caggcactct tctcagtttt atatgtgtgt taatttactc	120
ctttcaagag ccctatgata catgaattta tctccatttt atagatgagg aaattaagac	180
ctagagttac tgaacttgcc caagggtata cagctgatgg gtagggccag aactttgcct	240
cagagaatct gaatttccaa aaaataacct aaaagagaaa tttaagtact aattagtaag	300
caaagaaatg cacatttaag gaagacagtg cacatttaag gaagacagta accttttatac	360
tattagagaa aaacacacat tctgtcttta acacacacat aaatcttata ttggcagggg	420
ttttctttat tcagcaatta tttattgggt gtctgctttg tggtagacat aaatgctggg	480
gataaacact taataaaata tacttccttc tcttgaatat cttgcacttt aagtgggaag	540
gtaagtcaac agagtagagg tgatatatcc aagtgataga ctgtttcatt gccagtag	598

<210> 222
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 222	
gttgccctgag agtgaccttt gcatctgcct gtccagccag catggaacca aagcggatca	60
gagagggcta ccttgtgaag aaggggagcg tgttcaatac gtggaaaccc atgtgggttg	120
tattgttaga agatggaatt gaattctata agaagaaaag tgacaacagc cccaaaggaa	180
tgatcccgct gaaagggagc actctgacta gcccttgtca agactttggc aaaaggatgt	240
tttgttttaa gatcactatg accaaacagc aggaccactt cttccaggca gccttcctgg	300
aggagagaga tgccctgggtt cgggatatca ataaggccat taaatgcatt gaaggaggcc	360

agaaatttgc caggaaatct accaggaggt ccattcgact gccagaaacc attgacttag 420
 gtgccttata tttgtccatg aaagacactg aaaaaggaat aaaagaactg aat 473

<210> 223
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 223
 tgggtactgaa cctacgagta caccgactac ggcggactaa tcttcaactc ctacatactt 60
 cccccattat tcctagaacc aggcgacctg cgactccttg acgttgacaa tcgagtagta 120
 ctcccgattg aagcccccat tcgtataata attacatcac aagacgtctt gcactcatga 180
 gctgtcccca cattaggctt aaaaacagat gcaattcccg gacgtctaaa ccaaaccact 240
 ttcaccgcta cacgaccggg ggtatactac ggtcaatgct ctgaaatctg tggagcaaac 300
 cacagtttca tgcccatcgt cctagaatta attcccctaa aaatctttga aatagggccc 360
 gtatttacct tatagcacct cctctacccc ct 392

<210> 224
 <211> 618
 <212> DNA
 <213> Homo sapiens

<400> 224
 tttttcttgt ttttgtgtgt ctaccttggc atatactaaa ggaaggtgtg tattcattta 60
 ttacatgata tctctgggtt ataattattt acatatatga atttgaaaga aagattgaga 120
 gggatatgtg tgacctttgt ttcattatga tcatttacat gactaaagat aaagatcata 180
 tgtctgattt tcagtttaat ggcaagttac ttaaaataaa tgaaatatgt ttttattggt 240
 ttcgtgggtt tgatgctttg tgttttattt caagtaactt gagaatgcat tgtgtttggt 300
 actgtttttt atgaatatca ttaaaaattt atttaaggag agagtaattt tgcaataata 360
 tttttgattt atttgaaaat aaaattcaag ataatgaaa taattgaaat tttctaaaga 420
 aggaattgaa tatattttta catttgaatg aactaaggat taactgaacc atttatatat 480
 agtactttca gaactgaatg tcttaaataa taaagctcta attgggttaa gtgactttct 540

ttcaagtcaa agaaccaga aactgaatag atgatctaac tactgccact gaggttttgg 600
 attagtgagt ataaattt 618

<210> 225
 <211> 17
 <212> DNA
 <213> Homo sapiens

<400> 225 17
 tgcaggatcc gtcgact

<210> 226
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 226
 gacaatcaga gcagatcttg ggcttctgtg gctcatctca gccctttata actggcctga 60
 gaagagggtt tatctacttg tgcaagtggc ccagaaatct cactcgtaca tgaggctttg 120
 gaacatcctt gcaaaggtag gctgaaagca aattgctgtt ttcctgggtgg ttctgcacgt 180
 ttcctaactt ttatcatagt ttgattttca ttatttaaga aaaaataaaa aatccaaaga 240
 ccataagatg gcattagatt ttttaccatt aaattattaa tgcctatttg gtgctcataa 300
 agattaatca tgtcacgcat gtttccaatc tttcttttgc agtatattat tttctaaaaa 360
 ttgttacatg caaatttaaa ccaagattta tcagta 396

<210> 227
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (112)..(112)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (279)..(279)

<223> n is a, c, g, or t

<400> 227
ttggaagaaa taaaccaagg cagaaaaatt ttaaattggcc aaaataaatt gtattgctaa 60
cttagatggc cacagatggg ggcaggggtg gagagaggag aaattgaaaa cncacaaaag 120
accccgcaat ggctagaact tgaaatctct ggatattgca acaatagcag cctccttaag 180
tcagcaaaaa gataaagatt gatccaatgt tctatattac agaacagagc agattgtcaa 240
tatagcaaat aaagttaccg ttgagtggac tgcgctgtnt aagctgcttg gttggcctta 300
agtgccgaca attaagagat gaaggcaatg agaactgaaa caaacattta agttcaagac 360
ccagtttact gacactggga ctattactat atctcttttg gcctcagttt acttatctgt 420
aacattaaga ggttggatta catgatgtct cacgattctt tttttttatt tagagatggg 480
gttttgctct gttgccagc ctggagtgc gtggcatgat catagctcac agcag 535

<210> 228
<211> 392
<212> DNA
<213> Homo sapiens

<400> 228
ccagcctgtc actggcctgg ccaaggagga gagacaggcc agggattctg gtcctaactc 60
tactggccac actgtgtggc ctgagacccc cctttccctc ccaagcccct gcctccgcat 120
ctgcgtggtg aaggccattg gccctcatcg gtggatctgc gtttcctcgg gcctacactg 180
tctaggattg tgcggggctg gtgagagaac aagatctctt ccgtgttcaa ggcagacttc 240
ctgccccctg caccctgctc tctcccaggc cttgaggtca gtgtgagccc caagggcaag 300
aacacttctg gaaggagag tggatttggc tgggccatct ggatggaagg taaaaaaaaag 360
aaaatccctt gaaaggagat tgagggaagt tt 392

<210> 229
<211> 419
<212> DNA
<213> Homo sapiens

<400> 229
aagagaaagg actcagtgtg tgatccgggt tctttttgct cgccccctgtt tttttagaa 60

tctcttcatg cttgacatac ctaccagtat tattccccgac gacacatata catatgagaa	120
tataccttat ttatttttgt gtaggtgtct gccttcacaa atgtcattgt ctactcctag	180
aagaaccaaa tacctcaatt tttgtttttg agtactgtac tatcctgtaa atatatctta	240
agcaggtttg ttttcagcac tgatggaaaa taccagtgtt gggttttttt ttagttgcca	300
acagttgtat gtttgctgat tatttatgac ctgaaataat atatttcttc ttctaagaag	360
acattttgtt acataaggat gactttttta tacaatggga ataaattatg gcatttttt	419

<210> 230
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (551)..(551)
 <223> n is a, c, g, or t

<400> 230	
ctgagagtca ctgtgttttt agccaaatct aaggggagaaa atgaatattg atagcagcat	60
gctgtagcca gctccttaaa ggaaggatgg tgcctggtac agagttagag ttagtgcttc	120
agtaaataat gaatgtgtgc taggtagggt ctgctgggta ggctgcatgc attgaccaat	180
ttattcctcc ttgtttcaaa acaggattta agggcactta tatatatata ttttttagtt	240
tttttaatgt aaatgagaga ataaagatat atatatatgt ctatatatgt atatatgtat	300
atatatgtct atatgtctat atgtatatat gtctatatgt atatatgtgt gtgtgtatat	360
atatatatat atatataagt tttctgttgc tagcataaca aactaccaga aacttagcaa	420
ctgaaacaac atgaatttat cttacgggtc tatagttcag aagtctaacg tgtcactggg	480
atgaaatcca ggtttcaaca ggactggggt cccttctagc tcattcagct acctggctca	540
ttcaggttgt nggcagaata tacttccatg aaactgtagg gctgagaccc cgttccttcc	600
tggctatcat ctgaaaactt tc	622

<210> 231

<211> 350
<212> DNA
<213> Homo sapiens

<400> 231
aggcgcagcc cagcctcgaa atgcagaacg acgccggcga gttcgtggac ctgtacgtgc 60
cgcggaatg ctccgctagc aatcgcatca tcggtgccaa ggaccacgca tccatccaga 120
tgaacgtggc cgaggttgac aaggtcacag gcaggtttaa tggccagttt aaaacttatg 180
ctatctgcgg ggccattcgt aggatgggtg agtcagatga ttccattctc cgattggcca 240
aggccgatgg catcgtctca aagaactttt gactggagag aatcacagat gtggaatatt 300
tgtcataaat aaataatgaa aacctaataa aaaaaaaaaa aaaaaaaaaa 350

<210> 232
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<400> 232
tncactcaca cactcccaaa ccttaacaaa cacatacatg tgcagccaac ccaatgggcc 60
agcctctttt atgctcctca catgtttcct ttaactggaa taccatgac agctccctac 120
atagttactt gtaaactcct cctctctgta taagttttcc tgaatttttt tgataaaatt 180
aagttgtgcc acccctttat gctctcttan aactttgttc tgttctcatg gctgttctgc 240
aacgaatctc attgtgttct cctactcaat tacattcctg cgtctccac tagatggcag 300
actctttgag agtaggagat tcccttgta tctctggatc cctggcactt gcagaaagcc 360
tgttacgtaa taattgctca acaattagtt tttaaataaa tgaattattt ttaaaacgcc 420
aaaattacaa tgattgtgca ttaagtgaag gatgaccatc taaaaacata aagccatgct 480

tcatgacatt ggc

<210> 233
 <211> 577
 <212> DNA
 <213> Homo sapiens

<400> 233
 gaccattcag ggaaatttta taaaaaatgc agatactgtc ttgagcagat cgaaatgccg 60
 atgaggtgga tgcaatttcc ttttgtgcaa gcagtgcacg gtgccccccc ctcggtgtgc 120
 cgtgctgtgc cttagcttcc ccaggtgccg ggactcacac ctgctagggg ctgggcaagg 180
 ccccggtctc gctttctctg aagggtctgt ccaagtcat tgccctgtta caggtggtca 240
 agacgtccgg ccgccttgac ccaggctacc cttagccaat atcctctgcc cctgggtggt 300
 tgggtggctgg gcctcagggt gggcaacgtt aggggtttgg cgaaagcccg ccccatggga 360
 ttgagggacg gggctgcact ccaaccgtct gcacctgtc ttccccacc cctgtgggac 420
 ctcatcttca cgtgccatgt gtgctgaagg ccagggccc agcagggggc agtggcacct 480
 gttgacggaa aagccgaggt gcttaccaat ggaccttctg gcccgccctc ccctgtactt 540
 gtcgggcatt cagggccccg acctgtgcct acccgca 577

<210> 234
 <211> 568
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (430)..(430)
 <223> n is a, c, g, or t

<400> 234
 caactgtgtt cactagcaac ctcaaacaga caccatggtg cacctgactc ctgaggagaa 60
 gtctgccgtt actgccctgt ggggcaagggt gaacgtggat gaagttggtg gtgaggccct 120
 gggcaggctg ctggtggtct acccttggac ccagagggtc tttagtcct ttggggatct 180
 gtccactcct gatgctgtta tgggcaaccc taaggtgaag gctcatggca agaaagtgtc 240

cgggtgccttt agtgatggcc tggctcacct ggacaacctc aagggcacct ttgccacact	300
gagtgagctg cactgtgaca agctgcacgt ggatcctgag aacttcaggc tcctgggcaa	360
cgtgctggtc tgtgtgctgg cccatcactt tggcaaagaa ttcacccac cagtgcaggc	420
tgcctatcan aaagtgggtg ctggtgtggg ctaatgctg gccccacaag tatcactaag	480
ctcgctttct tgctgtccaa tttctattaa aggttccttt gtccctaag tccaactact	540
aaactggggg atattatgaa gggccttg	568

<210> 235
 <211> 511
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (261)..(261)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (292)..(292)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (321)..(321)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (323)..(323)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (328)..(328)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (422)..(422)
 <223> n is a, c, g, or t

<400> 235
 ttttttaatt tcaccaaagt ttgttgacgt cccttgattt gctgataggg acaataatta 60
 aatattttcc acttgttttt ataaaaactg taatgggtgat ttgtttaaca gatgttgact 120
 tagcaccttc tctctttttt tttttttttt tttgagttgg agtcttgctc tgtcacccag 180
 ctggagtgca gtggcacgat ttcgggtcac tgcaacctcc gcctcccagg ttcgggagct 240
 tctcctgcct cagcctccca natagttggg attacaggtg catgccgcca cncctagcta 300
 atgttttttg tatcttggtg nanatggngt ttcaccttgt tgcccatgcc gctcttgaac 360
 tccttggcct cccaaagtgt taggattaca ggcgtgagcc actgtgcctg gcccgaattt 420
 ancaccttac tgggtgctga ggctgtgagc catagtagaa tgcattgtgat ccagggcctt 480
 gctgaattca tgggctaata gggagcctga c 511

<210> 236
 <211> 592
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (504)..(504)
 <223> n is a, c, g, or t

<400> 236
 tgagcgttgg gctgtaggtc gctgtgctgt gtgatcccc agagccatgc ccgagatagt 60
 ggatacctgt tcgttggcct ctccggcttc cgtctgccgg accaagcacc tgcacctgag 120
 ctgcagcgtc gactttactc gccggacgct gaccgggact gctgctctca cgggtccagtc 180
 tcaggaggac aatctgcgca gcctgggttt ggatacaaag gaccttacia tagaaaaagt 240
 agtgatcaat ggacaagaag tcaaatatgc tcttgagaaa agacaaagtt acaagggatc 300
 gccaatggaa atctctcttc ctatcgcttt gagcaaaaat caagaaattg ttatagaaat 360
 ttcttttgag acctctccaa aatcttctgc tctccagtgg ctactcctg aacagacttc 420
 tgggaaggaa caccatatac tctttagtca gtgccaggcc atccactgca gagcaatcct 480
 tccttgctag gacactcctt ctngaaatt aacctatact gcagaggtgt ctgtccctaa 540

agaactggtg gcacttatga gtgctattcg tgatggagaa acacctgacc ca

592

<210> 237
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (568)..(568)
<223> n is a, c, g, or t

<400> 237
cttanaagag ttgtctattc acacccacgc ccttgcccaa ggctggccca ctcagagcga 60
aacttaactt ttgtctggat gggaagagaa gtaagtctac cccgagggtg ccatgttgaa 120
gagtgaagagg tccaagtgat tctgtgcatt gaaaccaaga caccaccacc agaacttc 180
ttccctccct cagcccaaac caaaggctgg gggtctctac tccaagtggc tgttctccaa 240
ctttcccaag ccgcttgcac tccccagact ggactactgt ggcgggtagg ttagatttga 300
agacggggcc caggctgggt atgaacgggt gcagccctct tctcctcttc cccccacat 360
ctctcatgag agaggtagtg gcatttcctt ctcaggggagc ttcaatggga aaggtctcga 420
aagcttcagg aggagcagaa taccaacgca gggggatggc tgtaacgatc tcaccgtctc 480
ctaacctcag tccctttttt gagagtgaat ggtggagggt gggaaaggga cccaaatttg 540
tagatctctt tgtctggggg aggggaanga tg 572

<210> 238
<211> 482
<212> DNA
<213> Homo sapiens

<400> 238
ttaaacagg cgcaggggta aaaatgagaa tgaatctgaa aaaagagagt tgggtgtttaa 60
agaggatgga caagagtatg ctcaggtaat caaaatgttg ggaaatggac gattggaagc 120

attgtgtttt gatggtgtaa agaggttatg ccatatcaga gggaaattga gaaaaaaggt	180
ttggataaat acatcagaca ttatatgttg ttgtctacgg gactatcagg ataacaaagc	240
tgatgtaatt ttaaagtaca atgcagatga agctagaagc ctgaaggcat atggcgagct	300
tccagaacat gctaaaatca atgaaacaga cacatttggt cctggagatg atgatgaaat	360
ccagtttgac gatattggag atgatgatga agacattgat gatatctaaa ttgaaccaag	420
tgtttttaca tgacaagttc tctgaggatg gttctacagt tgggattttg gccatcatca	480
ac	482

<210> 239
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 239	
tttgaaggca aagagggatt aatctgtgct ggcattcatgt aaggagactt gatagataag	60
aaaaagcttt acctaagttt tgaagaatag gtttttcata atggaaaatt taagggaana	120
atctccaaaa aagtgctact caagttttat ccatttgtat ttccaacaca gcctaggaca	180
gtacctgcac atagtaggtg attaataaaa atttagaaag cattaatact aaagaggaaa	240
aatagcaatg gcaagaaaac acatgtaggg aacacatgta gccaaaaaat aatatataat	300
cagagaaata ataggacttc tggaaaaaaa agatgagatc agattgggta ggatctttac	360
taacatgaca agagcatgaa ttttttttct gtagataata agtatgaaag aatttttagct	420
taaaaattag cataatttgg atccacatat gcaaatcaat gaatgtaatt cataatataa	480
acagaactaa acacaaaaac cacgtgatta tctcaataga cacagaaaag gccttcaaaa	540
aaatt	545

<210> 240
 <211> 624
 <212> DNA
 <213> Homo sapiens

<400> 240	
gacacacgag catatttcac ctccgctacc ataatcatcg ctatccccac cggcgtcaaa	60

gtatttagct gactcgccac actccacgga agcaatatga aatgatctgc tgcagtgctc	120
tgagccctag gattcatctt tcttttcacc gtaggtggcc tgactggcat tgtattagca	180
aactcatcac tagacatcgt actacacgac acgtactacg ttgtagccca cttccactat	240
gtcctatcaa taggagctgt atttgccatc ataggaggct tcattcactg atttccccta	300
ttctcaggct acaccctaga ccaaacctac gccaaaatcc atttcactat catattcatc	360
ggcgtaaate taactttctt cccacaacac tttctcggcc tatccggaat gccccgacgt	420
tactcggact accccgatgc atacaccaca tgaaacatcc tatcatctgt aggctcattc	480
atttctctaa cagcagtaat attaataatt ttcatgattt gagaagcctt cgcttcgaag	540
cgaaaagtcc taatagtaga agaaccctcc ataaacctgg agtgactata tggatgcccc	600
ccaccctacc acacattcga agaa	624

<210> 241
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 241	
caagatgaca aagaaaagaa ggaacaatgg tcgtgccaaa aagggccgcg gccacgtgca	60
gcctattcgc tgcactaact gtgcccgatg cgtgcccgaag gacaaggcca ttaagaaatt	120
cgtcattcga aacatagtgg aggccgcagc agtcagggaac atttctgaag cgagcgtctt	180
cgatgcctat gtgcttccca agctgtatgt gaagctacat tactgtgtga gttgtgcaat	240
tcacagcaaa gtagtcagga atcgatctcg tgaagcccgc aaggaccgaa cccccccacc	300
ccgatttaga cctgcgggtg ctgccccacg tccccacca aagcccatgt aaggagctga	360
gttcttaaag actgaagaca ggctattctc tggagaaaaa taaaatggaa attgtactta	420
a	421

<210> 242
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 242
tgcttggccc tctacctcct gccctcttcc tgttcatctc ccaaccactg cactcttgat 60
ttttatacca cacagaaggt aagaaaattc taggaaccct aaggatcaat cctctccatt 120
ttcactcaaa tgccctggggc ccagctctgc aatgactgac tccagggcct ctttcctcac 180
tgccagcata gaagtcaggg gagccagctg ggccctgcgg tcaggaaggt tctcattttt 240
ggagcattcc ctgagcccag atcataggag cagctgtccc tgggtgggaca caggagtcac 300
gactcctacc ctccaccctc cacaccacc aggcathtag cagtctgtcc tatgcaagac 360
agatgaattc tcagccagga tacctcaagg caggcaaagg tgagtggagg gaaaattcac 420
aaacattcag ggtgtgtggt gctggcatca ccatggccaa atccaagagg tcttcctgga 480
agagggccca aactggaacc aaaagaatgc tgtcagcagt tggaatagag ctgtgaatt 539

<210> 243
<211> 397
<212> DNA
<213> Homo sapiens

<400> 243
ctttccaaga ggaatcctcg gcagataaac tggactgtcc tctacagaag gaagcacaaa 60
aagggacagt cggaagaaat tcaaaagaaa agaaccgcgc gagcagtcaa attccagagg 120
gccattactg gtgcatctct tgctgatata atggccaaga ggaatcagaa acctgaagtt 180
agaaaggctc aacgagaaca agctatcagg gctgctaagg aagcaaaaaa ggctaagcaa 240
gcatctaaaa agactgcaat ggctgctgct aaggcaccta caaaggcagc acctaagcaa 300
aagattgtga agcctgtgaa agtttcagct ccccgagttg gtggaaaacg ctaaactggc 360
agattagatt tttaaataaa gattggatta taactct 397

<210> 244
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (535)..(535)

<223> n is a, c, g, or t

<400> 244
ctttgataga gaagaaaatt ctctaggat acaagagcct caacatttta aagattttct 60
gcatctcaaa agcgtaggct ccttgctggg caaggtgagc ctctgtgagt cctcatagga 120
ccgagcaaat ctgattcacc ccagaaaatc caatatcgaa gctgagcttt ggctgagcg 180
ggttccattt cctccccaga tcctatttag gaagtgtctc ctgacaacct ccaaaagggtg 240
ctaacatgca acgttctgaa gggttattgc tcaaaaacaa gattttcctt gtgggtcaaga 300
ctctgcgagc ctogaacacg atgaatccgc tcgaatgggc ttgggctttg cccgggtggc 360
gcacgctcac acgctggaag cacagctttg acgatctcca cacacgcaca ggcacacacg 420
ccacagatga tgccggctca ttctcagggg gtgtctaagt tctgctttaa atatttacc 480
cctaattgta caaacaatag gggcatgagc ctggtactcg ataaatgggg acttncttaa 540
aa 542

<210> 245
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (615)..(615)
<223> n is a, c, g, or t

<400> 245
ctacagcctg ggcagcgcg tgcgcccag caccagccgc agcctctacg cctcgteccc 60
gggcggcgtg tatgccacgc gtcctctg cgtgcgctg cggagcagcg tgcccggggt 120
gcggctcctg caggactcgg tggacttctc gctggccgac gccatcaaca ccgagttcaa 180
gaacacccgc accaacgaga aggtggagct gcaggagctg aatgaccgct tcgccaacta 240
catcgacaag gtgcgcttcc tggagcagca gaataagatc ctgctggccg agctcgagca 300
gctcaagggc caaggcaagt cgcgctggg ggacctctac gaggaggaga tgccggagct 360
gcgcccggcag gtggaccagc taaccaacga caaagcccgc gtcgaggtgg agcgcgacaa 420

cctggccgag gacatcatgc gcctccggga gaaattgcag gaggagatgc ttcagagaga	480
ggaagccgaa aacaccctgc aatctttcag acaggaaatc caggagctgc aggctcagat	540
tcaggaacag catgtccaaa tcgatgtgga tgtttccaag cctgacctca cggctgcctt	600
gcgtgacgta cgtancaata tgaaagtgtg gctgccaaaa accttgcag	649

<210> 246
 <211> 600
 <212> DNA
 <213> Homo sapiens

<400> 246	
gagatgtctc gctccgtggc cttagctgtg ctcgcgtac tctctctttc tggcctggag	60
gctatccagc gtactccaaa gattcaggtt tactcacgtc atccagcaga gaatggaaag	120
tcaaatttcc tgaattgcta tgtgtctggg tttcatccat ccgacattga agttgactta	180
ctgaagaatg gagagagaat tgaaaaagtg gagcattcag acttgtcttt cagcaaggac	240
tggctcttct atctcttgta ctacactgaa ttcaccccca ctgaaaaaga tgagtatgcc	300
tgccgtgtga accatgtgac tttgtcacag cccaagatag ttaagtggga tcgagacatg	360
taagcagcat catggaggtt tgaagatgcc gcatttggat tggatgaatt ccaaattctg	420
cttgcttgct ttttaatat gatatgctta tacacttaca ctttatgcac aaaatgtagg	480
gttataataa tgtaacatg gacatgatct tctttataat tctactttga gtgctgtctc	540
catgtttgat gtatctgagc aggggtgctcc acaggtagct ctaggagggc tggcaactta	600

<210> 247
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 247	
cgaatgtgca ggtttggttac ataggtatat atatgccatg atggaaatat ttatTTTTTT	60
aagcgtaatt ttgccaaata ataaaaacag aaggaaattg agattagagg gaggtgttta	120
aagagaggtt atagagtaga agatttgatg ctggagaggt taaggtgcaa taagaattta	180
gggagaaatg ttgttcatta ttggagggtta aatgatgtgg tgccctgaggt ctgtacgtta	240

cctcttaaca atttctgtcc ttcagatgga aactctttaa cttctcgtaa aagtcata 300
cctatataat aaagctactg atttccaaaa a 331

<210> 248
<211> 41
<212> DNA
<213> Homo sapiens

<400> 248 41
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a

<210> 249
<211> 425
<212> DNA
<213> Homo sapiens

<400> 249 60
caaaaaaacg aagaaaagtg acgacagtct gagggactta tgggagatca tcaagtgaac
cactatatgt gtaatgtaag tcttggaatg agaagagaga aggagaagga ggagagagct 120
tatttgtaga aataatggct gaaaacatcc caaactttcc tttttttgag gaaagaaata 180
ggcatacaag ttcaagaaac tcaaggaact ccagagagga caattctaaa gacaccccct 240
ctaacataca ttataatcaa attgtcaaaa gtaaaatata aagagaatct tttaaattga 300
caagagaaaa gcagctggtc acgttcaagg gagttctata agaatttcag cagatttctc 360
agcagaaacc ttgcaggcca acaggcagtg ggatgatata ttcaaagtgc aaaaaaaaaa 420
aaaaa 425

<210> 250
<211> 633
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (600)..(600)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (604)..(604)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (606)..(606)
<223> n is a, c, g, or t

<400> 250
cgagagtttta ccagtngcct aataatgcaa taaaaaatgc tttgagatag ctaacngccc 60

ataaaacaaa ctcaaattgc ttataaagtt tcttcccatg ttcccatttg atgaaaagtc 120

ttacatcaca tataactggg aagcaggggt cctcctcaa ttttcagaca ttttgaaagg 180

atgacagttc tgtttgtag atgagtaaac ctctatattc ataagttcta aaatccttca 240

ttatgagggg ttcaaagtat ttataaaaac actgccctct aaaaatttcc tcagatctga 300

agtatggnct tggncctgaa tatacagtgt taccctatgt ttaaaagggt gatccagaca 360

tgagacgcaa ctagttggtg cataagaagg cccacttgg ctatttcata tctacctaca 420

attgaccaa aaaaattttt taggccagca attattattt agcttcgctc tttctagtgc 480

aagaaactgc aggctggatc agtagttcaa cagctaaaca gtcataaaat agtcattggc 540

atgttaaatt tctttcaatg cttcaaagat aaattccaat tctatttact tattcattgn 600

gacnqnatta ctaaacaggt aaggatggga ata 633

<210> 251
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 251
 ctttgggagg ccgaggcggg cggatcactt gaggtcaggg gttcgagacc agtctggcca 60
 acatggtgaa accccaactc tactaaaaat acaaaagtta gccaaagtgtg gtggcaagtg 120
 cctgtaatcc cagctactcg ggaggctgag acaggagaat cactttgaac ctgggaggcg 180
 gaggttgcag tgagccaaga tcgtgccact gcacttcagc ctgggcaaca gagcaagatt 240
 ccgtccatct c 251

<210> 252
 <211> 593
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (157)..(157)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (569)..(569)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (588)..(588)
 <223> n is a, c, g, or t

<400> 252
 ctttcttcag ccttgcagac acctaaacat catgtaatta cctaaggaat tcccaagtgc 60
 ctcttccagg ttatacgtgt aaatagctgt ttttatgcaa gattagttag atactgctct 120
 ttacaggatg agtgggtgttg tctttggctg ggggggnctt aaatgtgttt ctaatgtgtg 180
 tgtcaaataa ttacctgtta aacagactgc caatctggct gaagccaatg cttctgaaga 240
 agataaaatt aaagcaatga tgtcgcaatc tggccatgaa tacgacccaa tcaattacat 300

gaagaaacct ctaggtccac cacctccatc ttacacgtgt ttccgttgtg gtaaacctgg	360
acatttatatt aagaattgcc caacaaatgg ggataaaaac tttgaatctg gtcctaggat	420
taaaaagagc actggaattc ccagaagttt catgatggaa gtgaaagatc ctaatatgaa	480
aggtgcaatg cttaccaaca ctggaaaata tgcaatccaa ctatagatgc agaagcatat	540
gcaattggga agaaagagaa acctccttnt taccagagag ccatcttntt tct	593

<210> 253
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 253	
gttgtgactc gttggcatgt gatctgaagt tcctgccctg cagctgacga gccagtgttt	60
caataattaa aaacaactca actcactgtc ctctgcctt gaatttgatc attgcgcttt	120
gcatgtatgt atcacaatac cacatgtacc ccataaatat gtacaaagat tatgtgtcaa	180
taaaaaaciaa aaattaaaat cccaattttt a	211

<210> 254
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 254	
gttgctagta gcggcaggaa gatgtcaggc tcactttcct ctgattcccg aaatgggggg	60
aacctctaac cataaaggaa tggtagaaca gtccattcct cggatcagag aaaaatgcag	120
acatggtgtc acctggattt ttttctgccc atgaatgttg ccagtcagta cctgtcctcc	180
ttgtttctct atttttgggt atgaatgttg gggttaccac ctgcatttag gggaaaattg	240
tgttctg	247

<210> 255
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 255

gtccccggga atcgcggccg cgtcgacggt ttattttcag tgcttgaaga tacattcaca	60
aatacttggg ttgggaagac accgtttaat tttaagttaa cttgcatggt gtaaagtcgt	120
tttatgttta aataaagagg aaaatttttt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	180
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	240
tttt	244

<210> 256
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 256	
tagaggcctg aataggtaga caatggcagc agcgttttta atcacagtcc tattcatgcc	60
ctaattcggg agtgatgatt aaaggacatt agagggagca ctttgacatc tgatcctttg	120
aactgacgtc tgtgcaggct gcactccata gagctcactt ggccaaactg atttccttaa	180
ataaagtgtc gtgatttcca atgtaggaaa tattacatta ggcctattg aaatgattag	240
gaattgagga gcttttcttt aggtgggaat gtggtgtatg ctgtatactc acaaaagtga	300
gatcattaat attgcatgta ctactttgaa tatcaggggac cacagagaaa tagcatgaga	360
aacgccttcc tgcagtcatg cacttaaaat gaatatgaac aaaaatgtgg aactctgctg	420
tcatagctct ccg	433

<210> 257
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 257	
ggggcttctg ctgagggggc aggcggagct tgaggaaacc gcagataagt ttttttctct	60
ttgaaagata gagattaata caactcttaa aaaatatagt caatagggtta ctaagatatt	120
gcttagcggt aagtttttaa cgtaatttta atagcttaag attttaagag aaaatatgaa	180
gacttagaag agtagcatga ggaaggaaaa gataaaagggt ttctaaaaca tgacggaggt	240
tgagatgaag cttcttcatg gagtaaaaaa tgtattttaa agaaaattga gagaaaggac	300

tacagagccc cgaattaata ccaatagaag ggcaatgctt ttagattaaa atgaagggtga 360
cttaaacagc ttaaagttta 380

<210> 258
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (523)..(523)
<223> n is a, c, g, or t

<400> 258
gacctttgag aaaattaatt taaatcctag aactttgggt gaaccgaaga aatttataat 60
at ttgttttag ttaataacag ataaaaagga aagattcaag cctattggat gagaatttgt 120
acattat tttt agagctaata ataatggttt tcagtttagt gaggatttaa aaaatgtttt 180
tgaatcaaac tttttttctt tataatcctt tttaactaac tcaggaaata aggtattatg 240
aaatccacac actgttacct ccttaaagta tgaggatact tcccactgtt tgggccacta 300
gtggctgatt attttgtttg tggattat ttaatttct ttttaattct tccttaaaga 360
gcatggcatt tggagtcaca gacctatatt tgaatcctgt catttactag cgttttgacc 420
ttgaacaatt atgctcagag tctcagtttt ttcttgtaaa gtgatgatga tactacttaa 480
ctcacagggt tgtagtgaag atcaaagatg atcatgtctg tanaacaccc tgcccggcac 540
tcaataagta ttaataggaa cccatatacc tc 572

<210> 259
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<400> 259

tgtttttatt ttttaaaagg tataaacacc aaaaaaaaaa ttaacattgt atgaagatgg	60
aaaataagaa gatgcacttt ctgtaacttt gtctaaggat ttaaattact aacttatgaa	120
ctccaatttg aattgaactt aactatcggc tttcttactg gtaaaattat atggtttatt	180
ttaaatgcgt acatattgac caatggcctc tgaaaaagca cattttagat actgaaattg	240
aaggaaagaa aatgcatctt caaacatttt ttggaatctc accacatata ctttggtana	300
tttgtgtatt gtaggggtgtt tgttttgtat ttttgtattg tatatgaact ttttttaa	360
gtgacagtta aacacatctt taaaagcata gtcacagaca aaagcataca gtataaaaat	420
ttccttgaaa actcctacaa tatttatattt ggaggcagct tcagactggt ttattgg	477

<210> 260
 <211> 256
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (208)..(208)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (216)..(216)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (254)..(254)
 <223> n is a, c, g, or t

<400> 260	
ctctggcaca cattagttcc tcttatatta cattgatata agcaagtcac atggatttat	60
ctgagtgtaa ggagagctgg aaaaaatagt ttctagcagg tcagccacct cccagtgagg	120
gctgcatacc atagaagggg agaatgaatt ttgggaaaac aggtaattat ctctgtcaca	180
gaaggggatg aaaagtatgg tagttacnca agttanacat ctgtatggaa aataccactt	240
ggttctacaa atgngg	256

<210> 261
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (591)..(591)
<223> n is a, c, g, or t

<400> 261
gcctcccggg ttcagggatt tctcctgcct cagcctcctg agtggctgca ttgcaggcac 60
ctgccaccac gccttgcaaa tttttgtgtt tttagtggag atgggggttt gccatgttgg 120
ccaggctggc ctcggactcc tgacctcagg tgatccgccc gcctcagcct cccagagggc 180
tgggattaca ggcgtgagcc actgtgcctg gcccgaagt ttgcatcttt taatgccctc 240
tgaacaaata catagagaaa actctcagaa caattaaaac ctgcagagca acagtgtcct 300
ccatgtctta ggtttcaagt ttgcctctaa aattctaata catatctttc tacttctcag 360
ataatttatg tgtgtgtact cttcctagac gtacaagaga ctttttaatg ctaaataatt 420
gtcagtgcct aacaaaaact caatttcaca ttactcatat tgtttttgtt ttaattgaat 480
gtgaattaa tttttattag ttatttgatt tggaatgtta tgtatgccat taacactatt 540
aggggaatct ctagcatttc tgtattttta aagaatttga ttcttttgta nattctgcct 600
gtgtggcatt ttaaacaatgt gtgacat 627

<210> 262
<211> 345
<212> DNA
<213> Homo sapiens

<400> 262
accggcgaca tggccaaacg taccaagaaa gtcgggatcg tcggtaaata cgggacccgc 60
tatggggcct ccctccggaa aatgggtgaag aaaattgaaa tcagccagca cgccaagtac 120
acttgctctt tctgtggcaa aaccaagatg aagagacgag ctgtggggat ctggcactgt 180
ggttcctgca tgaagacagt ggctggcggg gcctggacgt acaataccac ttccgctgtc 240
acggtaaagt ccgccatcag aagactgaag gagttgaaag accagtagac gtcctctac 300

tctttgagac atcactggcc tataataaat ggggttaattt atgta 345

<210> 263
<211> 252
<212> DNA
<213> Homo sapiens

<400> 263
ataattcaga acttcttcat atgctcgagt ctccagagtc actccgttct aaggttgatg 60
aagctgtagc tgtactacaa gcccaccaag ctaaagaggc tgcccagaaa gcagttaaca 120
gtgccaccgg tgttccaact gtttaaaatt gatcagggac catgaaaaga aacttggtgct 180
tcaccgaaga aaaatatcta aacatcgaaa aacttaaata ttatggaaaa aaaacattgc 240
aaaatataaa at 252

<210> 264
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)..(15)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<400> 264
ttacttttaa ccagnгааat tgacctgccc gtgaanaggc gggcntgaca cagcaagacg 60
agaagaccct atggagcttt aatttattaa tgcaaacggt acctaacaaa cccacaggtc 120
ctaaactacc aaacctgcat taaaaatttc ggttggggcg acctcggagc agaaccacaac 180
ctccgagcag tacatgctaa gacttcacca gtcaaagcga actactatac tcaattgatc 240

caataacttg accaacggaa caagttaccc tagggataac agcgcaatcc tatt

294

<210> 265
<211> 370
<212> DNA
<213> Homo sapiens

<400> 265
ggctgattcc tgagctataa aagcataatt gctttatatt ttggatcatt ttttactggg 60
ggcggacttg ggggggggttg catacaaaga taacatatat atccaacttt ctgaaatgaa 120
atgttttttag attacttttt caactgtaaa taatgtacat ttaatgtcac aagaaaaaaa 180
tgtcttctgc aaatttttcta gtataacaga aatttttgta gatgaaaaaa atcattatgt 240
ttagaggtct aatgctatgt tttcatatta cagagtgaat ttgtatttaa acaaaaattt 300
aaattttgga atcctctaaa catttttgta tctttaattg gtttattatt aaataaatca 360
tataaaaatt 370

<210> 266
<211> 353
<212> DNA
<213> Homo sapiens

<400> 266
caggaagtca cctgggattg gctgcctcac ccaactcacag tgccatccct gccccaggcc 60
tcccagtggc aattccaaac ctgggtccct ccctgagctc tctgccttct gctctgtctt 120
taatgctacc aatgggtatt ggggatcgag ggggtgatgtg tgggttacct gaaagaaact 180
acaccctacc tccaccacct taccctcacc tggagagcag ttatttcaga accattctac 240
ctggcatttt atcttattta gctgacagac cacctccaca gtacatccac cctaactcta 300
taaagtgtga tggtaataca gcattatcta tcaccaataa cccttcagca cta 353

<210> 267
<211> 433
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (229)..(229)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (387)..(387)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (408)..(408)
 <223> n is a, c, g, or t

<400> 267
 caggaagtca cctgggattg gctgcctcac ccactcacag tgccatccct gccccaggcc 60
 tcccagtggc aattccaaac ctgggtccct ccctgagctc tctgccttct gctctgtctt 120
 taatgctacc aatgggtatt ggggatcgag gggatgatgtg tgggttacct gaaagaaact 180
 acaccctacc tccaccacct taccctcacc tggagagcag ttatttcana accattctac 240
 ctggcatttt atcttattta gctgacagac cacctccaca gtacatccac cctaactcta 300
 taaatgttga tggtaataca gcattatcta tcaccaataa cccttcagca ctagatccct 360
 atcagtccaa tggaaatgtt ggattanaac caggcattgt ttcaatanac tctcgctctg 420
 tgaacacaca tgg 433

<210> 268
 <211> 683
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (124)..(124)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (127)..(128)
 <223> n is a, c, g, or t

<220>

```

<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(180)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>

```

```

<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(266)
<223> n is a, c, g, or t

<220>

```


<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>

```

<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(410)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>

```

```

<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (489)..(489)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (491)..(491)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (495)..(495)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (506)..(514)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (516)..(524)
<223> n is a, c, g, or t

<220>

```

<221> misc_feature
<222> (527)..(540)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (544)..(547)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (559)..(559)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (567)..(567)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (602)..(602)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (629)..(629)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (641)..(641)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (649)..(649)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (659)..(659)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (669)..(669)
<223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (675)..(677)
 <223> n is a, c, g, or t

<400> 268
 ggggttttctt tcggaagcgc gccttgtgtt ggtacccggg aattcgcggc cgcgtcgact 60
 gctaaacaga atactgctat tttgagagag tcaagactct ttcttaaggg ccaagaaagc 120
 cacntgnncc ctnggnctaa tctggctgag tagtcagtta taaaagccnt aatngcttnn 180
 tntttgggnt cnttttttnc nggggncggn cttggggggg gttgcntcca aagatancat 240
 ntntttccaa ctttntnaan nnaanngttt taaaatccct tttccncng aaaanangc 300
 cctttaagng ccncaaaaaa aaanngtntt ctgcannntt tctantatna caaanntttt 360
 ngtagaanaa aaattttttt ttagnggcta ccctttnttt nttanncann ggagtttntt 420
 tttacaaaaa aaaaanattg ggnccctcc acaaccttg gtctntaatn ggggggtttt 480
 taaataaanc ntntntaaat ccccnnnnnn nnnncnnnnn nnnncnnnnn nnnnnnnnnn 540
 cccnnnnaaa aaatttttnc tccccnccc tttttcttcc tgccggcccc aatttaagcc 600
 cnggcgcttg gggcaaacc ccctttagng ggggggttta naaaaaccng gggcggggnt 660
 ttaaaaccnc ggggnnnngg gaa 683

<210> 269
 <211> 177
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (118)..(118)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (132)..(132)
 <223> n is a, c, g, or t

<400> 269
 acctctagca tcaccagtat tagaggcacc gcctgcccag tgacacatgt ttaacggccg 60
 cggtacccta accgtgcaaa ggtagcataa tcaactgttc cttaattagg gacctgtntg 120

aatggctcca cnagggttca cttgtctctt acttttaacc agtgaaattg acctgcc 177

<210> 270
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)..(23)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (570)..(570)
<223> n is a, c, g, or t

<400> 270
gtatagaaaa taatgtcccc agngcataga aaaaatgagt ctctgggcca gtgaatacaa 60
aacatcatgt cgagaatcat tggaagatat acagagttcg tatttcagct ttgtttatcc 120
ttcctgttaa gagcctctga gtttttagtt ttaaaaggat gaaaagctta tgcaacatgc 180
tcagcaggag cttcatcaac gatatatgtc agatctaaag gtatatatttc attctgtaat 240
tatgttacat aaaagcaatg taaatcagaa taaatatggt agaccagaat aaaattaatt 300
atattctggt cttcaaagga cacacagaac agatatcagc agaatcactt aatacttcat 360
agaacaaaaa tcactcaaaa cctgtttata accaaagaat tcatgaaaaa gaaagccttt 420
gccatttgtc ttagaaagtt atttttttaa aaaaaatcat acttactatt agtatctatg 480
gaagtatatg taacaatttt tatgtaaagg tcatctttct gtgatagtga aaaaatatgt 540
ctttactaag ttgaaatgaa tactttctgn ctttgctaata ggatagttat t 591

<210> 271
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (199)..(199)
 <223> n is a, c, g, or t

<400> 271
 ctcaattcta ctaaaaagcc ccccaagaaa agcgaatgag aaaacagagt catcctctgc 60
 acagcaagta gcagtgtcac gccttagcgc ttccagctcc agctcagatt ccagctcctc 120
 ctcttctctg tcgtcgtctt cagacaccag tgattcagac tcaggctaag gggtcaggcc 180
 agatgggggca ggaaggctnc gcaggaccgg acccctagac caccctgccc cacctgcccc 240
 ttcccccttt gctgtgacac ttcttcatct cccccccccc tgccccccctc taggagagct 300
 ggctctgcag tgggggaggg atgcaggga 329

<210> 272
 <211> 688
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)..(2)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (13)..(13)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (21)..(21)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (495)..(495)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (504)..(504)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (515)..(515)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (579)..(579)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (607)..(607)
<223> n is a, c, g, or t

<400> 272
gnancnttttc ctntcgnaaa ncgcgccttg tgttggtacc cgggaattcg cggccgcgctc 60
gacaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aantntagac tcgancaagc ttatgcangc 120
ntgcggccgc aattcgagct cggccgactt ggccaattcg ccctatagng agtcgtatta 180
caattcactg gccgtcgttt tacaacgtcg ngactgggaa aaccctggcg ttacccaact 240
taatcgcctt gcagcacatc ccccttttcgc cagctggcgt aatancgaan aggcccgcac 300
cgatcgccct tcccaacagt tgcgcagcct gaatggcgaa nggaaattgt aagcgттаат 360
attttgttaa aattcgcggt aaatttttgt taaatcagct cattttttaa ccaataggcc 420
gaaatcggca aaatccctta taaatcaaaa gaatagaccg agatagggtt gagngttgtt 480

ccagtttggga acaanagtcc actnttaaag aacgnnggact ccaacgtcaa agggcgaaaa	540
accgtctatc agggcgatgg ccactacgt gaaccatcnc cctaatacaag ttttttgggg	600
tcgaggngcc gttaaagcact aaatcggaac cctaaaggga gcccccgatt taaagcttga	660
cgggggaaagc cgggcgaacg tggcgaaa	688

<210> 273
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (239)..(239)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (249)..(249)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (255)..(255)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (267)..(267)
 <223> n is a, c, g, or t

<400> 273	
cacctgcagt ccaagtacat cggcacgggc cagcccgaca ccaccaagtg ggagtggctg	60
gtgaaccaac accgcgactc gtactgctcc tacatgggcc acttcgacct tctcaactac	120
ttcgccattg cggagaatga gagcaaagcg cgagtccgct tcaacttgat ggaaaagatg	180
cttcagcctt gtggaccgcc agccgacaag cccgaggaaa actgaaactt tgcttaacna	240
ccgaatggng ggganctttt ccaacgnttt t	271

<210> 274
 <211> 213
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (15)..(15)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (21)..(21)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (29)..(29)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (35)..(35)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (43)..(43)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (51)..(51)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (67)..(67)

<223> n is a, c, g, or t

<400> 274
ttggtttcat actgntgggg nttgaatgnt cccncaaca ctnatgttga nacttaatcc 60
ctaattnggc aatactgaaa ggtggggcct ttgagatgtg attggatcgt aaggctgtgc 120
cttcattcat gggttaatgg attaatgggt tatcacagga atgggactgg tggctttata 180
agaagaggaa aagagaactg agcttgcattg ccc 213

<210> 275

<211> 545

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<400> 275
gtggaagnga catcgtcttt aaaccctgcg tggcaatccc tgacgcaccg ccgtgatgcc 60
canggaagac agggcgacct ggaagtccaa ctacttcctt aagatcatcc aactattgga 120
tgattatccg aaatgtttca ttgtgggagc agacaatgtg ggctccaagc agatgcagca 180
gatccgcatg tcccttcncg ggaaggctgt ggtgctgatg ggcaagaaca ccatgatgcg 240
caaggccatc cgagggcacc tggaaaacaa cccagctctg gagaaactgc tgcctcatat 300
ccgggggaat gtgggctttg tgttcaccaa ggaggacctc actganatca gggacatgtt 360
gctggccaat aaggtgccag ctgctgcccg tgctggtgcc attgccccat gtgaagtcac 420
tgtgccagcc cagaacactg gtctcggggc cgataagacc tcctttttcc aggctttagg 480
tatcaccact aaaatctcca ggggcaccat tgaaatcctg agtgatgtgc actgatcaag 540
actgg 545

<210> 276
<211> 260
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (35)..(35)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (40)..(40)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (252)..(252)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (257)..(257)
 <223> n is a, c, g, or t

<400> 276
 ggaaagggcc attttattgc ctaaaaccac ctggnttttn aggtaacagt tccaacatgt 60
 ccttttttga atagctgttc taattattat atattcagct gattaatagg agtacttgat 120
 aggtggactg tgtcaggtag cctcaggcaa tcctacttca acaagctgtc agggagccat 180
 gccatgcttc tttatgacat aggtgaattt gataggctca ctagcagaac atgggatcac 240
 aaggtggaac cnttccnttt 260

<210> 277
 <211> 603
 <212> DNA
 <213> Homo sapiens

<400> 277
 gaccccttcc ttacacctta tacaaaaaaa ctgaaactgg accccttcct tacaccttat 60
 acaaaaatta actcaatttt attatgttgt attaaattaa gttgggttta attaagatgg 120
 attaaagact taattataag acctaaaacc ataaaaaccc tagaagaaaa cctaggccat 180
 accattcagg acacgggtat gggcaaagac ttcataacta aaacaccaaa agcaatggca 240
 acgaagtcca aatagacaaa ttggacctga ttaaactaaa gagcttcagc acagcagaag 300

agactatcgt cagagtgaac aggcaaccca cagaatggaa gaaaattctt gcaatctatc	360
catctgacaa ggggctaata tccaaaatct acaaagaact taaacaaatt tacaaggaaa	420
aacacaaaca accccatcaa aaagtgggct aaggatgtga acagacactt ctcaaaagaa	480
aacatttatg cagccaacaa acatgaaaaa aagttcatca tctctgtca ttagagacat	540
gcaaatacaa accacaatga gatcccatcc cacaccagtt agaatggcaa tcattaataa	600
tgt	603

<210> 278
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 278	
tttatgtgtt tttgcttggg gggcgctggg cctagcccag agtagtgctt gctccccctg	60
ccttgtecca ccagggaggc agcagactca ggccctccat ggctcctctt gtcattttgt	120
tgacatgcat tctcctttt gtcattctgt tggggggagg ggattaacca aaggccaccc	180
tgactttgtt tttgtggaca cacaataaaa gccccgttta tttgtaaaaa aaaaaaaaaa	240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	268

<210> 279
 <211> 569
 <212> DNA
 <213> Homo sapiens

<400> 279	
ctttagccag cctgatcaga aaaaaacaaa agaagaggaa agacgtagat taccaacatc	60
aagaatgtga gttatgat cactacagac tctccaggta ttaaaagcat aattagagaa	120
tgatatgagc agctatatgc aaataagttc aacattggac aaatggacaa atttcttgaa	180
agataaatta tgaaatttca ttctgaaaga actacatgac ctttaattgtc ttacatctat	240
taaataagtg gaaattgtag tttagaaact ttcccacaaa gaaaactcta ggcccagatg	300
gcatcaaaat aatattcaga tgaatgaaat ggagaaagga tagccttttc aacaaatggt	360
ggtggaacaa ttggatttcc atatgcaaaa aaatagagat ggacgcagag gtgtgtgctt	420

aggaggctga ggtgagagga ttgtttgagg ccagcctggg caacatagca agaccccatt	480
tcaaaaacaa aaataaagaa cttgtagcct taccttgtgc catattatga aaatgtatca	540
taggcttaaa tgtgaaacgt aaaacaaaa	569

<210> 280
 <211> 492
 <212> DNA
 <213> Homo sapiens

<400> 280	
cgcaggggct tctgctgagg gggcagggcg agcttgagga aaccgcagat aagttttttt	60
ctctttgaaa gatagagatt aatacaacta cttaaaaaat atagtcaata ggttactaag	120
atattgctta gcgttaagtt tttaacgtaa ttttaatagc ttaagatttt aagagaaaat	180
atgaagactt agaagagtag catgaggaag gaaaagataa aaggtttcta aaacatgacg	240
gaggttgaga tgaagcttct tcatggagta aaaaatgtat ttaaaagaaa attgagagaa	300
aggactacag agccccgaat taataactaat agaagggcaa tgctttttaga ttaaaatgaa	360
ggtgacttaa acagcttaaa gtttagttta aaagttgtag gtgattaaaa taatttgaag	420
gcgatctttt aaaaagagat taaaccgaag gtgattaaaa gaccttgaaa tccatgacgc	480
agggagaatt gc	492

<210> 281
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 281	
cgaaaagcaa atataacttg ccactaacca agatcacctc tgcaaaaaga aatgaaaaca	60
acttttggca ggattctggt tcatctgaca gaattcagaa gcaggaaaaa aagcctttta	120
aaaataccga gaacattaaa aattcgcatt tgaagaaatc agcatttcta actgaagtga	180
gccaaaagga aaattatgct ggggcaaagt ttagtgatcc accttctcct agtggttcttc	240
caaagcctcc tagtcactgg atgggaagca ctgttgaaaa ttccaaccaa aacagggagc	300
tgatggcagt acacttaaaa acgctcctca aagttcaaac ttagatttca gattt	355

<210> 282
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 282
 ccggtctcta cacaatatat agaaatctgg gcatgggtgg gcctgggtgt agtctcagct 60
 acctagttgg gtgaggtggg agagtcgctt gagtccctgga ggttgaggct gtagtgagcc 120
 agggctgcac cactgcattc cagcctgggt aacagagtga gaccctgtct caaaaagaaa 180
 aaaaaaaatt gctaatttta acaaatcaca aaactgactc aggcaagttg tctgactcaa 240
 aagcccttga aaaacatca aagacagtag aatgttaact ggtcatttac gtaaaatagt 300
 gttcattaaa tttttgggtc atttaggata atcattttta atgagactgt atttgagact 360
 gtatacacat acatatacat gtttacacac atatacgtac aatatatgta cattctatct 420
 aaaagatcat acatgtgtgt acatatatgt ttttaaaagt caaactgaca tattaatgga 480
 aacagtgcctt acatctctgg tagtgatttt ctattagcag cagccctaca tatgctgcgt 540
 ctctgaacag catgtcagtg ccatgactgt ctaaacatgc aaatatgact gacagactct 600
 tgagacagct ttcaccttg 619

<210> 283
 <211> 328
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (17)..(18)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (23)..(23)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (86)..(86)
 <223> n is a, c, g, or t

<400> 283
 aattcgnnggc cgcgtcnnc tangaggcac caggaaatcc cgcgggggtgg cccatgcaga 60
 ccaggcgcac gtggctcatg gggcanaatt gccaggaca gctcacgaca gtgccacctt 120
 ctcaccattc cagccaagga gagatgtgac gttggaactg ctctggcact tctgtcaagc 180
 ctccccgcc ccaattgcct tgagatctct gctctttgtc agagatttgc aaagactcac 240
 gtttttgttg ttttctcatc attccattgt gatactaaga aactaagaag cttaatgaaa 300
 agaaataaaa tgcctatggt gttgttct 328

<210> 284
 <211> 563
 <212> DNA
 <213> Homo sapiens

<400> 284
 ctagaaccca tgactcctag gtcttatact gcaaccacag tatcagcaaa taatctttca 60
 taaggggatt attctctgat taacaggaaa tacaggaatt taatttgtga acacgctagg 120
 tagaagcaga aacccaaatc caaatccaaa tttaaactt taaaattcat tctataacta 180
 agatctaaca gtcattttct tcccagtaag aaataaccaa agcatgctaa aaatcactgg 240
 actaaattgg tgtcaaaact gccacattgc caggcatggg ggggtcatac ttgtaatccc 300
 agcactttgg gaggccgagg tgggaaaatt gcttgaggcc aggagtgcga aaccagcctg 360
 ggcaacacag tgagaccca tctccacaaa aaaaaaaat taaaaaaca aacaaaacat 420
 tagctgggca tgggtgtaca cgctgtagt cccagctact caggagcctg aagtgagagg 480
 atcactgaag cccaggaggt agagctatga ctgtagtgag ctatgactgt gccactacac 540
 tccacctggg tgacagggga ctc 563

<210> 285
 <211> 257
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (102)..(102)

<223> n is a, c, g, or t

<400> 285

cgacttccat ttgtattaat ggaatactaa gtccctctgt gatttctgaa ccaagctatt	60
cctaggcctg agttttatatt tgttgacaca gaaataaatt anaaggccaa gcgtggtggc	120
atgtgcctgt agtcctagtt gctgaggtaa gaggattgct tgagcccagg agttcaaggc	180
tgcagcaagc tttgattgcg ccaactgcact ccagccttgg cgacagacta agacgctgtc	240
tcaaaaaaaaa acaaaaaa	257

<210> 286

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (57)..(57)

<223> n is a, c, g, or t

<400> 286

ggttatcaat gagattaaga gacaactaga gtaaaaacaa aagaaaagaa aagaaangaa	60
aacaacagaa gctctattaa ctgacctcta accaatacaa caggttaact gatgttctcc	120
attctgtata taaaaatccc agtggacacc cacaacacag gcttcaggct tgtaggacac	180
tttctagttc atctgagcac ttttgttctc agcagttgag ctgtatactt agcaacattt	240
ggtgcttcca aaccattttg tgaccttagc atttactatt gaaatacata atttaattaa	300
atattatata aaggaatgga atacgagttg gacaagaaaa agagttaaatt ctgaagggtta	360
ggtaaaaaga gcaacttctt ttctctgttt tgcaggttgg caaaatcatt taaaaacaat	420
tggaagtatt atatgttctg cattaagttg tcattttact taaaaactag gcatcaaaga	480
tgatgcataa taaatthtagt gtatgcaaga atgactgctt gggacctcaa tatatgaatt	540

cttaatccaa ggaaagtcct tggccttaca tttaaaagtc ggcaaataag tgtacgttca 600
 tt 602

<210> 287
 <211> 306
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (250)..(250)
 <223> n is a, c, g, or t

<400> 287
 gaacatttaa aaataatgca aataaggctg ggcgtggggg ctcacacctg taatcccagc 60
 actttgggag gccgaggcag gcagatcacg aggtcaggag attgagacca tcctggctaa 120
 cacagtgaaa ccctgtctct acttaaaaaa taaaaaaatt agccaggcgt ggtggtgggc 180
 gcctgtagtc ccagctactc aggaggctga ggcaggagaa tgggtgtgaac ccgggaggcg 240
 gagcttgcan tgagctgaga tcgtgccact gcactccagc ctgagcgaca gagcgagact 300
 ctgtct 306

<210> 288
 <211> 419
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (216)..(216)
 <223> n is a, c, g, or t

<400> 288
 tcattagaat ccaagctttg aaaatttctg attaatgctc atgtatttct ttatctttgt 60
 ttttccttgt gaagaaagac tttcaccact gtctgagtga tgatgctggt gataaggatg 120
 atgtcgatga ctactatatt gcactctctca ggaacagctg atgggaaggg aggggctgct 180
 gagttccctt gttctagcta gcagcacgct cctcanagag ggggccgagt tacagacagc 240

agccgcattc tcatgcaaaa ttagtthttaa actgctagtg tgggcatcgg taccttttgc 300
ctgggtgata ccgaagaatt gttgaggatt tagtatgctc cgtagagaca gttcagccag 360
tcatttctgc attggagaga cttctcatatc tttctttgaa gactcataga aagctggat 419

<210> 289
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (530)..(530)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (614)..(614)
<223> n is a, c, g, or t

<400> 289
attaaggttt gtncccaaca agaatagatg taattagaaa aaantgnctt ccttacctat

60

tgccctctgat ntttacttgc ttaaattttt tttattgnaa atccagaaaa agnggattta	120
gagaacaaca ctaactccca cctaactctat gacaganatg tacaananag tacctgtgaa	180
aaatgtgaaa gnatntgaaa aatgtaacct ttggcagcct gagcatagtc aaccagaaaa	240
actatctgaa ttaaaataat tgggtccatag gtactatttt atttggtcca taaggattat	300
tttttcaact tttttttcaa gtgtattatt atgtcatttc ccacgtaggt tactgatacc	360
tgaagacttt ttncaccttt aaccttnctc gttgaggagc tttgtantct aataaaaagag	420
aaatataagt aaatgttaga tatatggng gataatggta actatgtgct taaagaggta	480
taaaagaagg gtagggagca gataagacaa aggaagggct atattataa gaagaatatt	540
ccaagtaggg aagagaaaaa gatatgttat ccatataata ttttatgtgc agtagagaac	600
atgttctata gaanagacag aagatg	626

<210> 290
 <211> 623
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (576)..(576)
 <223> n is a, c, g, or t

<400> 290	
cttgagccca ggaattccag cctgggcaat atagtaagac tccgtctcta caaaagatac	60
aaaaattagc cagatgtggt ggtgcgtgcc tgtagttcca gatactggaa agactgaggc	120
aggaggattg cttgagcatg ggaagttgag gctgcaatga gctgtgatta cgccactaca	180
ctccagcctg ggcaacagag taagatcttg tctcaaaaaa aaaattgaat tcagctaaaa	240
ataataaaat tttaaaataa ttttaaaaag ccctcaacag ctttgttttt ctctccttgc	300
cagcttctct gcagcctata gcctgcaggc tggctgctgc gagccaggac aagcgggtggg	360
aaatgcaatc acagcgtgaa atctctgtgt tcagagacac gcaggaagca ggtgaaccat	420
gaagggccaa cacatgcccc cagttagcag ggtgtagaga ccggggcagg gctttcttct	480

tcctttctggg ttataaatat ccatgtcctg ccatttgaag ctgcaagtgg cacacatgga	540
tgctggacag gcgctcgcac tttctgggca gggcangggg ctcaaaggca ggacagctgg	600
gcaaaagcac cttgcgtggg ccc	623

<210> 291
 <211> 579
 <212> DNA
 <213> Homo sapiens

<400> 291	
c tt t t g g a g c t t c t g t c t g t g c t g t g g a c c t c a a t g c a g a t g g c t t c t c a g a t c t g c t c g t	60
g g g a g c a c c c a t g c a g a g c a c c a t c a g a g a g g a a g g a g t g t t t g t g t a c a t c a a c t c	120
t g g c t c g g g a g c a g t a a t g a a t g c a a t g g a a a c a a c c t c g t t g g a a g t g a c a a a t a t g c	180
t g c a a g a t t t g g g g a a t c t a t a g t t a a t c t t g g c g a c a t t g a c a a t g a t g g c t t t g a a g g	240
t a a t t a a a a t t a t c a a a t t g g t g c t t g a t t t c t g c t t t t a a a t g g t t t a t g g a a g a a a a	300
t a t g a t t a a a g t t t t g t a t t g t t t t c c t t c c t a t a g a a g a t g g a g c c a g a a t g g c a t g c t	360
a a g t t t t t t t c t t t t c t t t a g t g t t a t a t a t g a c t t c t c c t c a a t t g t c a c c a t t g a t c t	420
t t a c c a c t g t t a a t a a t g g a t g a t a t t c a a a a t a c c t t a t t t c a g t g a t t c t a a g g c a c c	480
a t t g a t t a g a a a c t g c a t t a t t a t t t t a t g t g t c c c t a a a a g c t a c c t a t t a a g c t g t t a c	540
a c c c a c c a t t t t t c t g t t a a g a a a t c c t g a t t t c a g a a	579

<210> 292
 <211> 709
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(4)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (47)..(47)
 <223> n is a, c, g, or t

<400> 292
 gtnntcctct cggaacgcgc cttntgtagc caggtgctac cagaccnaat acacggttgt 60
 tccagcttgc gcattcaccg atggcgtaga tatccggatc ggaagtctgg caggaatcat 120
 taatgacaat acccccacgc ggagcaacgt ccagaccaca ctgggttgcc agcttatcgc 180
 gcggacggat accggtagag aagacgataa agtcgacttc cagttcgctg ccgtcggcaa 240
 aacgcatggg tttacgcgct tcaacacctt cctgcacaat ctcaaggggtg tttttgctgg 300
 tgtgaacgcg cacgcccata ctttcgattt tgcgacgcag ctgctcgccg cccatctgat 360
 caagctgttc tgccatcagc ataggggcaa attcgataac gtggggtttca atacctaagt 420
 ttttcagcgc gcctgcgggt tccagaccta acaggccgca attcgagctc ggccgacttg 480
 gccaatcgc cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt 540
 gactgggaaa accctggcgt tacccaactt aatcgcttg cagcacatcc ccctttcgcc 600
 agctggcgta atagcgaaag aggcccgcac ccgatcgccc tttccaacag ttgcgcacct 660
 gaatggcgaa tggaaattgt aagcgttaat attttgtaa aattcgctg 709

<210> 293
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 293
 ctgcgcagac cagacttcgc tcgtactcgt gcgcctcgct tcgcttttcc tccgcaacca 60
 tgtctgacaa acccgatatg gctgagatcg agaaattcga taagtcgaaa ctgaagaaga 120
 cagagacgca agagaaaaat ccaactgcctt ccaaagaaac gattgaacag gagaagcaag 180
 caggcgaatc gtaatgaggc gtgcgcccgc aatatgcact gtacattcca caagcattgc 240
 cttcttattt tacttctttt agctgtttta ctttgtaaga tgcaaagagg ttggatcaag 300
 tttaaagtac tgtgctgccc ctttcacatc aaagaactac tgacaacgaa ggccgcgcct 360
 gcctttccca tctgtctatc tatctggctg gcaggggaagg aaagaacttg catgttggtg 420

aaggaagaag tggggtggaa gaagtggggg tgggacgaca gtgaaatcta a

471

<210> 294

<211> 495

<212> DNA

<213> Homo sapiens

<400> 294

cttgtattca agaactactg taatgcatta gtggtctggc ttcattttgt atgatgccag	60
atccttaatt taccagcac aatcatttca gtagtttcct atggctcctg caaaaatgca	120
aacagaaacc accacaggaa cagccccttg ctgcctcctg ttgctgaggt agtagtcgct	180
aaagaaaatt gaaggctcct tacaatctat atttgaaaac tagaacttct gtagaaacac	240
acagatcccg atcttagaag ttgtacagga caatctggta aaactgacat aattgtgatt	300
tattaacatg aattaaatg cccaaccagt gcttcagtgt gacagtatat ttaaaataaa	360
aaagaaatta aaggatcatat actgtactac tttcaciaag atccacagtt ttgcaaaaga	420
cttgtcatat gtacaatgct atatatcaaa tgagaaaagc tgtaagcaat tatatacgca	480
aaagaaatgg cagta	495

<210> 295

<211> 531

<212> DNA

<213> Homo sapiens

<400> 295

ttccagtcct ttcatttagt ataaaagaaa tactgaacaa gccagtggga tggaattgaa	60
agaactaatc atgaggactc tgccttgaca caggctcctca aagctagcag agatacgag	120
acattgtggc atctgggtag aagaatactg tattgtgtgt gcagtgcaca gtgtgtggtg	180
tgtgcacact cattccttct gctcttgggc acaggcagtg ggtgtagagg taaccagtag	240
ctttgagaag ctacatgtag ctcaccagtg gttttctcta aggaatcaca aaggtaaact	300
acccaaccac atgccacgta atatttcagc cattcagagg aaactgtttt ctctttattt	360
gcttatatgt taatatgggt tttaaattgg taacttttat atagtatggt aacagtatgt	420
taatacacac atacatatgc acacatgctt tgggtccttc cataatactt ttatatattgt	480

aaatcaatgt ttttgagca atcccaagtt taagggaat atttttgtaa a

531

<210> 296
<211> 496
<212> DNA
<213> Homo sapiens

<400> 296
caaccctctc tcctcagcgc ttcttctttc ttggtttgat cctgactgct gtcattggcgt 60
gccctctgga gaaggccctg gatgtgatgg tgtccacctt ccacaagtac tcgggcaaag 120
agggtgacaa gttcaagctc aacaagtcag aactaaagga gctgctgacc cgggagctgc 180
ccagcttctt ggggaaaagg acagatgaag ctgctttcca gaagctgatg agcaacttgg 240
acagcaacag ggacaacgag gtggacttcc aagagtactg tgtcttcctg tcctgcatcg 300
ccatgatgtg taacgaattc tttgaaggct tcccagataa gcagcccagg aagaaatgaa 360
aactcctctg atgtggttgg ggggtctgcc agctggggcc ctccctgtcg ccagtgggca 420
cttttttttt tccaccctgg ctcttcaac acgtgcttga tgctgagcaa agttcaataa 480
agattttggg aagttt 496

<210> 297
<211> 397
<212> DNA
<213> Homo sapiens

<400> 297
cggatgtggt ggcaggcgcc tctagtccca gctactcggc aggctgaggt aggagaatgg 60
cttgaaccca ggaggtggag ctgacagtga gccgagatcg cgccactgca ctccagcctg 120
ggcggcagag cgagactcca tctcaaaaaa aaaaaaaaaa aaaatagact ttgagaccag 180
cctgaccaac atagtgaaac ccgtcactac taaaaatata aaaattaccc gggcgtggtg 240
acgggcgcct gtaatcccag ctacttggga ggctgagaca ggagaatcac ttgaaccagg 300
gaggcggagg ttgtagttaa ctgaaatcgt gccctgcac tccagcctgg gtaacaagag 360
cgaaactccg tctcaaaaat aaataaataa ataaaat 397

<210> 298
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 298
 ccagcttttt atggtgttta atctaataca cttaagctgc agtcccaaaa ttaggggtcc 60
 ttcagtcttg gagactataa gggagcctct gcacccaggg aaaatgttac cctttacagg 120
 ggggaagggt aaaccagtag ggaatacagt acaatcccaa ccctactggg aggggcggga 180
 gggaggtggt gccgtcactg tattaagtcg atgttgggaa acgttttaac atctggagcc 240
 tttgtgggtg gaaatatgtc tccagttaca actccgcagt ggatgtgaag aag 293

<210> 299
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (210)..(210)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (449)..(449)
 <223> n is a, c, g, or t

<400> 299
 ggaagctaca atgatttttg gaattacaac aatcagtctt caaatTTTtg acccatgaag 60
 ggaggaaatt ttggaggcag aagctctggc ccctatggcg gtggaggcca atactttgca 120
 aaaccacgaa accaagggtg ctatggcggt tccagcagca gcagtagcta tggcagtggc 180
 agaagatTTT aattaggaaa caaagcttan caggagagga gagccagaga agtgacaggg 240
 aagctacagg ttacaacaga tttgtgaact cagccaagca cagtgggtggc agggcctagc 300
 tgctacaaag aagacatggt ttagacaaat actcatgtgt atgggcaaaa aactcgagga 360
 ctgtattttg gactaattgt ataacagggt attttagttt ctgttctgtg gaaagtgtaa 420
 agcattccaa caaaggggtt ttaatgtana tt 452

<210> 300
<211> 480
<212> DNA
<213> Homo sapiens

<400> 300
tggattcccg tcgtaactta aagggaaact ttcacaatgt ccggagccct tgatgtcctg 60
caaatgaagg aggaggatgt ccttaagttc cttgcagcag gaaccactt aggtggcacc 120
aatcttgact tccagatgga acagtacatc tataaaagga aaagtgatgg catctatatc 180
ataaatctca agaggacctg ggagaagctt ctgctggcag ctcggtgcaat tgttgccatt 240
gaaaaccctg ctgatgtcag tgttatatcc tccaggaata ctggccagag ggctgtgctg 300
aagtttgctg ctgccactgg agccactcca attgctggcc gcttcactcc tggaaccttc 360
actaaccaga tccaggcagc cttccgggag ccacggcttc ttgtggttac tgaccccagg 420
gctgaccacc agcctctcac ggaggcatct tatgttaacc tacctaccat tgcctgtgtg 480

<210> 301
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<400> 301
gtggtacata tacacaaagg aaaactatgt agccattaaa agaaaaggaa ctcctatcat 60
ttgtaacaac ataaataaat ctggaggaga ttaggctaag gtgaaataag ccaggcacia 120
aaagacaact accatatgat cttacttata cgtgtgtgga atctaaaaag gtggaattta 180
cagaagcaga gagtagaatg gtgattacca gaggctgggg agtgagggca ggaggttgga 240
gaaatgttgg tcaaaggata caaagtttca gttatacagg atgaataagt tcaagagatc 300
tattgtacaa cgtggtggct atagttgata acaatgtatt gtgttcttga aaaatgctga 360
gagagtagat tttaagtgtt ctcaccacia aacataagta tgtgaggtaa tgcattgtgt 420

aattanctta atttagacat ttcataatgt attatacata tttcaaaacc acgttgtaca 480
 tgagaaagat acacaatt 498

<210> 302
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 302
 gcccagtcga cccatgttct cctttctaca ccagcattag acgctgtcctt cacagatttg 60
 gaaatcctgg ctgccatttt tgcagctgcc atccatgacg ttgatcatcc tggagtctcc 120
 aatcagtttc tcatcaacac aaattcagaa cttgctttga tgtataatga tgaatctgtg 180
 ttggaaaatc atcaccttgc tgtgggtttc aaactgctgc aagaagaaca ctgtgacatc 240
 ttcatgaatc tcaccaagaa gcagcgtcag acactcagga agatgggttat tgacatgggtg 300
 ttagcaactg atatgtctaa acatatgagc ctgctggcag acctgaagac aatggtagaa 360
 acgaagaaag ttacaagttc aggcgttctt ctctagaca actatacccg atcgcatcca 420
 ggtccttcgc aacatgggtca ctgtgcagac ctgagcaacc ccaccaagtc cttg 474

<210> 303
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (492)..(492)
 <223> n is a, c, g, or t

<400> 303
 ctgtaacaga gattcctttt ttcaataatc ttaattcaaa agcattatta gacttgaaag 60
 ggtttgataa tctcccagtc cttagtaaag attgagagag gctggagcag ttttcagttt 120
 taaatgagtc tgcagttaat atcaaattgtg agtttgggac tgcttggaac catttatatt 180
 tcttattcag aacccttgat gagactattt ttaaacatac tagtctgctg atagaaagca 240
 ctatacatcc tattgtttct ttctttccaa aatcagcctt ctgtctgtaa caaaaatgta 300

ctttatagag atggaggaaa aggtctaata ctacatagcc ttaagtgttt ctgtcattgt	360
tcaagtgtat tttctgtaac agaaacatat ttggaatgtt tttcttttcc cttataaat	420
tgtaattcct gaaatactgc tgctttaaaa agtcccactg tcagattata ttatctaaca	480
attgaatatt gnaaatatac ttggcttacc tctcaataaa agggctcttt ctatt	535

<210> 304
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (427)..(427)
 <223> n is a, c, g, or t

<400> 304	
tccaccacc ttgacctccc aaagtgctgg gattataggc gtgagccacc tcgcccagcc	60
cgatactagg acttatgcag aaaaaacctt gacatggagg aaagtaagat ctaaataaat	120
actgtattca tagattaaaa gactcagcat aataaatata ccatttctcc ccagattgat	180
gtacagattt aacacaattc ctatcaagat cccagcaaga tttttgtaga tatgtaaaag	240
attattcaaa aatgtaaaag gaaggacaaa ggactagaat agataaaaca aaatggagaa	300
agatttaata ggaatcactg taactgattt taagacatac agaacaataa tagaaactgc	360
ttgtattagt ccattttcac gctgctgata aagacatacc tgagattggc aattacaaag	420
gaaagangtt tattggctta cagttcccat ggctggggag gcct	464

<210> 305
 <211> 588
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (511)..(511)
 <223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (546)..(546)
<223> n is a, c, g, or t

<400> 305
ctcctctggg ttgaaacccg ggcgccgcca agatgccggc ttaccactct tctctcatgg 60
atcctgatac caaactcatc ggaaacatgg cactgttgcc tatcagaagt caattcaaag 120
gacctgcccc cagagagaca aaagatacag atattgtgga tgaagccatc tattacttca 180
aggccaatgt cttcttcaaa aactatgaaa ttaagaatga agctgatagg accttgatat 240
atataactct ctacatttct gaatgtctga agaaactgca aaagtgcaat tccaaaagcc 300
aaggtgagaa agaaatgtat acgctgggaa tcactaattt tccattcct ggagagcctg 360
gttttccact taacgcaatt tatgccaaac ctgcaaacia acaggaagat gaagtgatga 420
gagcctatth acaacagcta aggcaagaga ctggactgag actttgtgag aaaagttttc 480
gaccctcaga atgataaacc cagcaagtgg ngggcttgct ttgtgaagag acagttcatg 540
aacaanagtc tttcaggacc tggacagtga agggagcccc ggcagcca 588

<210> 306
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (313)..(313)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (322)..(322)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (410)..(410)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (417)..(417)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (459)..(459)

<223> n is a, c, g, or t

<400> 306

cgnggccgcg tnaacttttg atcgtcagct ggggctggca ggcacctaaa tgggaagggg	60
gatagcagtg tggtgggggg agtttaggga acggtcctct accgatagag gcagcanctc	120
attggaattt cctcctgaag ttgtcttgcc ccttgaatcc tgcaggaagg ctggcaaagt	180
gccatttccc ttccacttga atagagaccc ataactcaag tatctgccct taagacacca	240
caggactgtt cttcgcgggc cctgcccctg gatttgggag aggcagtcca nctcacccaa	300
ctaggctctg canggggacc angagggatg ggttgtgtcc acaggaccag ccagactgat	360
gagggatgcg gcaagcatat tctcaccacc ttctttcacg tttacaacan accagcnttc	420
cctgtgtggc aggggttaca ttggtcaccg aggacctana atcatggagt gctctgggga	480
tccgggcttg ga	492

<210> 307

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (396)..(396)

<223> n is a, c, g, or t

<400> 307

tcagtgttga	atdddgtcag	acactttctc	tgcatacaatt	ggtatgacca	tgtgattttt	60
tttctgtagc	ctgttaatat	ggttaatttt	caaataattga	gctgattaat	tttcaaatat	120
tgagctctcc	ttgcatctct	ggaataagta	ccacttggtc	gtggtatata	tttcttttaa	180
tatattgctg	aattctgttt	gatcatgttt	tcttaaagac	tttcgtgtct	gttttcatga	240
tagatactgg	tctatagttt	tgttgtaata	tcttggtttg	atdddgatat	caggataatg	300
ctacctaata	agaatgaatt	ggagccaagt	atggtggcaa	atgcctatag	tcctagctac	360
tcaggaggct	gaggtgggtg	ggactgcttg	accangagt	tcaaatactag	cttgggcaat	420
gtagcaagac						430

<210> 308

<211> 574

<212> DNA

<213> Homo sapiens

<400> 308

tagaaggaat	gactattcat	gtccaaagtg	aatggttttg	tgcagtgaac	aacacatggc	60
gaggtactaa	ctgagaaact	ttttcatgct	ttatgcctac	ctctttagt	tgttgcagag	120
caaataataa	ttgtaataag	atagctaggc	cttgcagaaa	caaacagaaa	aacttaaaaa	180
aaaatgatat	aagagctgga	gtctagtatt	tatatgaatc	tgtgagagat	aatttttttg	240
gtctcactgc	aatgaaccaa	aagcggctga	gtttgggttt	taattgtagc	catgtattga	300
aggcatcttt	ttgaccaact	cttggtgggt	ctgtcttgaa	ccattgttaa	tcactgtgct	360
gtaattagta	tagctaaatc	ttttccttcc	ttgtcctcct	cccagcccac	cccgtcttcc	420
cttaacattt	tttcaggggg	ggttgggagt	ggtttcattt	taatgtgagt	ggatgttttg	480
atagttgtaa	ggaaaaaatg	catttcagac	acatttcaca	catgagctat	tttcttacac	540

agtatgtctt attggttaata agaatgtaat tcat

574

<210> 309
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<400> 309
cnttcntaa gaatacaaaa aattagctgg gcgtggtggc aggcgcctgt aatcccatct 60
actcaggaag ctgaggctgg agaatcgctt gaacccggga ggcggagggt gcagtgagca 120
gagatcacgc cactgcagtc cagcctgggc aacagtgcga gactctgtct caaaaaaaaa 180
ataaataaat tacctgggtg tggcagcgcg tgctgtaat ccagctacc caggaggctg 240
aggcaagaga actgcttgaa ccagaggagc agaggttgca tggagctgag atggcgccac 300
tgcactccag tctggtgaca gagtgag 327

<210> 310
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (225)..(225)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (227)..(227)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (229)..(229)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (245)..(245)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (273)..(273)
 <223> n is a, c, g, or t

<400> 310
 ctctctacta aaaatacaaa aattagctgg gcacggnggt gcatgcctgt aaaccacgct 60
 accaggtact cgggaggctg aggcaggaga atcgcttgaa ccagggagtc ggagggtgcg 120
 gcgagctgag atcatgccac tgcactgcgg cctggagaca agagcaagac tccgtctcaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaagacn tcacctaatt gcagnngngng gaccttattt 240
 ggctnttaat tcaaactatt aaaaatgtga acn 273

<210> 311
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 311
 cgggggtctgt accgggctgg cctgtgccta tcacctotta tgcacacctc ccaccccctg 60
 tattcccacc cctggactgg tggcccctgc cttggggaag gtctcccat gtgcctgcac 120
 caggagacag acagagaagg cagcaggcgg cctttgttgc tcagcaaggg gctctgcctt 180
 ccctccttcc ttcttgcttc tcatagcccc ggtgtgcggt gcatacacc ccacctcctg 240

caataaaata gtagcatcgg

260

<210> 312
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<400> 312
ctgagtnntag aaatgatgcc attaatactg attgcaaaaa cattacaact cagtactgca 60
gctttcattc aaatagggtta tatgtataaa ctgagttcaa caatattgta tttgagatgg 120
taaagttaaa gaaatgcaat aatgtaaata atacttaaga aaataagatc tcaggaaact 180
gtatatactc tgtactttta tgcaacttta tcagatcatt tcagtatatg catcaaggat 240
atagtgtata tgacatgaac tttgagtgcg aaaactgtac tatgtacctt ttgtttatct 300
tgctgtcaac atctaaataa aggttttttt gtttgttttt tgttttttta attgttttgt 360
tttaaagatt gttttaatta attaaaaaat taattgtttt aattaaacaa ttgtttaatt 420
gttttaaaagt cgccaggctg aggcagggtga atcacaagct taggagttgg aggctagcct 480
gccaacatgg tgaaaccccg tctctactaa aaatacaaaa aaattaactg ggtgtggg 538

<210> 313
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (549)..(549)
<223> n is a, c, g, or t

<400> 313
cccattctgca ccagtacaca ggcaggcatt atcattcttc acctactttt taaatagtgg 60
caacttgggg ttcatctctg tgattctgaa ccttgccctca tagcttaaag tataaaaaag 120

attcaagagc agtgagggtt gttctttcca gtgaatgggtg gactgagtgg tgcgagggtgg	180
agggctaaca agaggaaaga actacattct tcagaataca gtgatgaaaa ttcattttga	240
aactcaaata ttttcatttt ggatattctc ctgtttttat taaaccagtg attacacctg	300
gccatccctc taaatgttct aggaaggcat gtctattgtg attttgatga agacagaatt	360
atttttctct gtagaaacac agataccact ttatcagggg aagttagtca aatgaaatgg	420
aaattggtaa atggacaaaa gctagctagt aaaaaggacg acccagcaac atgctttaac	480
cccattgtat gtttgtggaa agagcatagt ttaacatctt gagaaatttg ggacataaaa	540
gttttcatng gtagacagtt catggcagta tatgaattga cataatggaa ataatctgat	600
tttattttta caactaacat cctttcccc	629

<210> 314
 <211> 641
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (635)..(635)
 <223> n is a, c, g, or t

<400> 314	
ggaattccaa gtgcttgggg ataatgatac ctctgacctt tcttcctttt gggaagtact	60
tgagtgtgca gctgcatgag gcctcagcag gagagagatt ttaggtccaa gaagctatac	120
cagtaggaca aggcaggaaa atactacact ttcaggatca agcccctctg actctcattt	180
ggaaactgga tgtttgctaa gcacctgctt ctttaaggatg ccgagggatt taatgatact	240
cccagaaacc tggagagatt aatggggcct atggagaagt gctctgaact cagtgttggg	300
acttgaataa aattaaccat tgtcatgttt tcagaacaac taagctgttt tatatttcat	360
gtgcatgaaa gccctagaac taagttgtgt tatttccaga aatgaaatag atcccacagt	420
tagatgatgt ggccattagg aagtaccaa tttataaaaa tcaactggagg tctgtctgag	480
cagtacctaa taaaatatag tatactgaaa gtgaacagat actttgtctc tttctttggc	540
tgcttgatct ttatctgtgt ctgccgtaca gtgcaccctt aaagtattct acaccagtgc	600

ttctcaaact ggaaatgtgc atgtaagtca cccangggtc t

641

<210> 315
<211> 645
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (598)..(598)
<223> n is a, c, g, or t

<400> 315
tgcattgccc tagtcccagc tatttgggag gctgaggcag gaaaatcgct tgaacccggg 60
agccagaggt tgcagtgagc cgagatcgca ctccagcttg gcgacagaac aagactctgt 120
ctcaaaaaaa aaaaaaaaaaag aaatcttggg atcctgaacc ccttactcga agggctaagg 180
tagcatctca gcatgtctta ttcgagactt cgtanaacca gacctgctgt ttgtagatgt 240
taattaatca aacctttctc tactcattct ggaccagtta aggttttctc cttctccgta 300
tgagttttga ttttcgtcct ccttggttgg agatcacact ttggtctgct gctaagttgg 360
atgcctccca ctgtctttcc ctaagtctag ggcttcanac cccagtgtgg ggagagggac 420
tttcgtttcc tgcccctcac cacatcagac acaggcaggc aagaataaga tggccaaaag 480
gccgatgaac ttcttgacct agcctgggac attacctgtt actaggtgga cttcactgcc 540
tgtgaatgga agctgaaggg ctgttttttt ggtttgtatt tggacaggcc aggcttanag 600
agggagagaa ctgggctact cttcagcagt gatctttaaa atgcc 645

<210> 316

<211> 542
 <212> DNA
 <213> Homo sapiens

<400> 316
 cagagtgcaa gacgatgact tgcaaaatgt cgcagctgga acgcaacata gagaccatca 60
 tcaacacctt ccaccaatac tctgtgaagc tggggcacc agacaccctg aaccaggggg 120
 aattcaaaga gctgggtgca aaagatctgc aaaatcttct caagaaggag aataagaatg 180
 aaaaggatcat agaacacatc atggaggacc tggacacaaa tgcagacaag cagctgagct 240
 tcgaggagtt catcatgctg atggcgaggc taacctgggc ctcccacgag aagatgcacg 300
 aggggtgacga gggccctggc caccaccata agccaggcct cggggagggg accccctaag 360
 accacagtgg ccaagatcac agtggccacg gccacggcca cagtcattgt ggccacggcc 420
 acagccacta atcaggaggc caggccaccc tgccctctacc caaccagggg cccggggcct 480
 gttatgtcaa actgtcttgg ctgtggggct aggggctggg gccaaataaa gtctctttcc 540
 tc 542

<210> 317
 <211> 583
 <212> DNA
 <213> Homo sapiens

<400> 317
 gaaccctgcg gagggacttc aatcacatca atgtagaact cagccttctt ggaaagaaaa 60
 aaaagaggct ccgggttgac aaatgggtggg gtaacagaaa ggaactggct accgttcgga 120
 ctatttgtag tcatgtacag aacatgatca aggggtgttac actgggcttc cgttacaaga 180
 tgaggtctgt gtatgtcac ttcccatca acgttggtat ccaggagaat ggggtctctg 240
 ttgaaatccg aaatttcttg ggtgaaaaat acatccgcag ggttcggatg agaccagggtg 300
 ttgcttggtc agtatctcaa gccagaaaag atgaattaat ccttgaagga aatgacattg 360
 agcttggttc aaattcagcg gctttgattc agcaagccac aacagttaaa aacaaggata 420
 tcaggaaatt tttggatggg atctatgtct ctgaaaaagg aactgttcag caggctgatg 480
 aataagatct aagagttacc tggctacaga aagaagatgc cagatgacac ttaagaccta 540

cttgtgatat ttaaatgatg caataaaaga cctattgatt tgg 583

<210> 318
<211> 424
<212> DNA
<213> Homo sapiens

<400> 318
cttgggtcct gtggaggcct gctgggaacg ggacttctaa aaggaactat gtctggaagg 60
ctgtggtcca aggccatttt tgctggctat aagcggggtc tccggaacca aagggagcac 120
acagctcttc ttaaaattga aggtgtttac gcccagagatg aaacagaatt ctatttgggc 180
aagagatgcg cttatgtata taaagcaaag aacaacacag tcactcctgg cggcaaacca 240
aacaaaacca gagtcactctg gggaaaagta actcggggccc atggaaacag tggcatgggt 300
cgtgccaaat tccgaagcaa tcttcctgct aaggccattg gacacagaat ccgagtgatg 360
ctgtaccctt caaggattta aactaacgaa aaatcaataa ataaatgtgg atttgtgctc 420
ttgt 424

<210> 319
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (593)..(593)
<223> n is a, c, g, or t

<400> 319
gatttttttt ttttttttga gatggagtct ttctctgtcg cccaggctgg agtgcagtgg 60
tgaaatctcg actcactgca acctccgtct cctgggttca agcaattctc ctgcctcagc 120
ctcctgagta gctgggatta caggcaccag ccaccacgcc cggctaattt ttgtattttt 180
agtagagaca ggttttcacc atgttggtta ggctgatttt gaactcatga cccaagtga 240
tctgcccgcc tcggcctccc aaagtgtctg aattacaggt gtgagctacc actcccagcc 300
aatgattaca ttataaggt aaaataactt gtgccaatct gtacaagtga attcagattt 360

aaaattttaa ttgtaaaaag atatccaggt gatatttctc cctgaataat ttagtttcct	420
tttctatttc ttgatataaa agtactcagc attgaagtaa ttgctatctt cacatttctt	480
cctatttgag ctgtctaaat aagtagtcct acatattttc cccccaacac aaaaaaccca	540
gaaaagaatt attttatact ggattttttt ggttgtagca ggaacctaaa ggngccaatt	600
gtaacatgca tgttcttttt ggcaaa	626

<210> 320
 <211> 618
 <212> DNA
 <213> Homo sapiens

<400> 320	
gtccatcctg caggccacaa gctctggatg aggaacttga ggcaagtcac cagcccctga	60
tcatttcgcc taaaagagca aggactagag ttcttgacct ccaggccagt cctgatccc	120
tgacctaatg ttatcgcgga atgatgatat atgtatctac gggggcctgg ggctgggcgg	180
gctcctgctt ctggcagtgg tccttctgtc cgctgcctg tgttggctgc atcgaagagt	240
aaagaggctg gagaggagct gggcccaggg ctccctcagag caggaactcc actatgcatc	300
tctgcagagg ctgccagtgc ccagcagtga gggacctgac ctccaggggca gagacaagag	360
aggcaccaag gaggatccaa gagctgacta tgccctgcatt gctgagaaca aaccacctg	420
agcaccaccag acaccttctt caaccaggc ggggtggacag ggtccccctg tgggtccagcc	480
agtaaaaacc atgggtcccc cacttctgtg tctcagtcct ctccagtcac tcgagcctcc	540
gttcaaaatg atcatcatca aaacttatgt ggctttttga cctttgaata gggaattttt	600
taaaattttt taaaaatt	618

<210> 321
 <211> 596
 <212> DNA
 <213> Homo sapiens

<400> 321	
ccagcgcagg ggcttctgct gagggggcag gcggagcttg aggaaaccgc agataagttt	60
ttttctcttt gaaagataga gattaataca actacttaaa aaatatagtc aatagggttac	120

taagatattg cttagcggtta agtttttaac gtaatttttaa tagcttaaga ttttaagaga	180
aaatatgaag acttagaaga gtagcatgag gaaggaaaag ataaaagggtt tctaaaacat	240
gacggagggtt gagatgaagc ttcttcatgg agtaaaaaat gtattttaaaa gaaaattgag	300
agaaaggact acagagcccc gaattaatac caatagaagg gcaatgcttt tagattaaaa	360
tgaaggtgac ttaaacagct taaagtttag tttaaaagtt gtaggtgatt aaaataattt	420
gaaggcgatc ttttaaaaag agattaaacc gaaggtgatt aaaagacctt gaaatccatg	480
acgcagggag aattgcgtca tttaaagcct agttaacgca tttactaaac gcagacgaaa	540
atggaaagat taattgggag tggtaggatg aaacaatttg gagaagatag aagttt	596

<210> 322
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (517)..(517)
 <223> n is a, c, g, or t

<400> 322	
gaggaaaggg gagttaatat ttagtggaca gaatttcagt tttacagatg aaaagagttc	60
tggagataga cgggtgttgat agttgcacag cagtgtgaat gtgctcattg ttaccgaact	120
taaaaatggt taacatagta ttatgtgatt tttattttgc cacttaaaaa aaaagaatga	180
agtactgata catgctacaa catgggtgag ctttaaatac attctgctca gtgaaataag	240
ccagatgcaa aagatcacat attatataat ccacttatac gagataccta gaataggcaa	300
attcatagag acagaaagta gaatagtggg tcccaggggc tggggacaag ggggcagtga	360
gagattgaga gttattatta atgcgtacag agtttcagtt tgggctgata aaaaagttct	420
gaagatggat ggtgatgatg gttgtacatc aatgtgagtg taattaccgc cactgaactg	480
cccttaaaaa cgtttaaaag agtaaatttt atgttgngta tattttacca taat	534

<210> 323
 <211> 556

<212> DNA
<213> Homo sapiens

<400> 323
tttttttttc ataagaggca agtacaagaa aaagcttaat tactttaact tctaagtagt 60
ttggaatcta aataaatagg agttaccaa tatatgcgct tctgtgaata gttttccccc 120
acatgtttat ttatatTTTT gcattctcatc aaacctaaca gattctaaag tctctggtga 180
taatgacaat atctgctacg gagagactag cctgggggaa gaggatctcc ctgaacaagg 240
atagcggagt tgctgcagct ttcaaagaa gctggacatt tagctgcggg ggtagcacc 300
tttgatcaag gcagcccaaa gatgagtttc agggatggga ctgacagaag agaaaagttc 360
ttcccagccc tttctacttt ttctctttgt ttctcaggct tctggccgct ttcagttttc 420
acaagtttca ctctcaacc taaacagtac ttctgtgaag taccctttgg cccctcgttt 480
tcagctccta aactcacctg gaaatagatg tcaatctaatt tttgggtctg actagtgcag 540
taggcatttt tgggtga 556

<210> 324
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<400> 324
ctcacacaga acaaaaatga atgagtgtgg ctgtgtgcc ctatcactgt gtctacaaaa 60
acagccagtg ggcttgattt ggcccttggc tgcagtgcgc ccgtctctgt ttttgaggaa 120
taaaatcgca tcatttcata tggctaattgc aatttttttc ccatctggaa gcaacatctg 180
attggactca tcttgatagg tgcttggtac agtctctgta aatgggagag ggtccgagaa 240

tagctcttcc tgttttcatc aggactgttt ttagggatgg caaagaagtc agtgtgtcca	300
gcctgtgtcc tcctcaccac gtggctgatt cctgaatctg catgtgcanc acntgccgtt	360
gtctggggca tgatctgtgt ga	382

<210> 325
 <211> 556
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (507)..(507)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (510)..(510)
 <223> n is a, c, g, or t

<400> 325	
cttttctctg ggtatagatt taccctagca cctatctcat tatattgaat tttccagcat	60
atttaaataa actattaatt agtcacacta tttcttaaaa gtcacactat caactaatcg	120
tgaccgcaat tatctagggg tgataatctg ctgagtctac tctttaaata cactgggacc	180
cagcatattg agttatattg gcacagaaac ttcactctgg gtatagattt accctagtac	240
cttgccggca ggatcctatt attcatgggt gtacaagcaa ggttcagggg agaggctggc	300
acagagaagg tacctggtaa ctgttgtttg aggctgaatt cagctcaact cagctccagt	360
agagatgggtg tccccttctc taccgtgttg agatagtgtg cagtccttc ctaagggctg	420
ttaccaccg caataggact tgtcagcttc aacttttaaa tttctctgct cccgctggga	480
cccaccgct tcaaaaatca tcatggnggn tttagcacca atttagtaaa cacaaactgt	540
ctgaaatatt ttggat	556

<210> 326
 <211> 716
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (567)..(567)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (666)..(666)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (698)..(698)
 <223> n is a, c, g, or t

<400> 326
 gaacattcaa gatagtgaga ggaagaaaaa gatatggctg tacgggaccg aggtctcttc 60
 tattatcgcc tcctcttagt tggcattgat gaagttaagc ggattctgtg tagccctaaa 120
 tctgacccta ctcttggaact tttggaggat ccggcagaaa gacctgtgaa tagctgggcc 180
 tcagacttca acacactggt gccagtgtat ggcaaagccc actgggcaac tatctctaaa 240
 tgccaggggg cagagcgttg tgaccagag cttcctaaaa cttcatcctt tgccgcatca 300
 ggacccttga ttctgaaga gaacaaggag aggggtacaag aactccctga ttctggagcc 360
 ctcatgctag tccccaatcg ccagcttact gctgattatt ttgagaaaac ttggcttagc 420
 cttaaagttg ctcatcagca agtggtgcct tggcggggag aattccatcc tgacaccctc 480
 cagatggctc ttcaagtagt gaacatccag accatcgcaa tgagtagggc tgggtctcgg 540
 ccatggaaag catacctcag tgctcangat gatactggct gtctgttctt aacagaactg 600
 ctattggagc ctggaaactc agaatgcaga tcttttgtga acaaaatgaa gcaagaaccg 660
 gagacnctga atagttttat ttctgtatta aaaactgnga ttggaacaat tgaaga 716

<210> 327
 <211> 664
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (586)..(586)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (631)..(631)
<223> n is a, c, g, or t

<400> 327
ccactccacc ttactaccag acaaccttag ccaaaccatt tacccaaata aagtataggc 60
gatagaaatt gaaacctggc gcaatagata tagtaccgca agggaaagat gaaaaattat 120
aaccaagcat aatatagcaa ggactaacc ctataccttc tgcataatga attaactaga 180
aatgaggatt ctgaccttga ctttgatata agcaaattgg aacagcagag caaggtgcaa 240
aacacaggac atggaaaacc aagagaaaag tccataatag acgagaaatt cttccaactc 300
tctgaaatgg aggcttattt agaaaacaga gaaaaagaag aggaacgaaa agatgataat 360
gatgatgagt caggtaaaag ttccagaaat gtgaacaaca aagatttttt tgatccagtt 420
gaaagtgatg aagacatagc aagtgatcat gatgatgagc tgggttcaaa caagatgatg 480
aaattgctga agaagaagca gaagaaggaa gcatttctga aatatgaatg aaaaaatta 540
catctttaga aaaagagtta ttagaaaaaa gccttggcag ccgtcngggg gaagtgacgc 600
acagaagaga ccagagaata gcttcctgga ngagaccctg cactttaccc atgctgctgg 660
atgg 664

<210> 328
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (522)..(522)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (532)..(532)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (537)..(537)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (629)..(629)
 <223> n is a, c, g, or t

<400> 328
 ccggggtttta gtattttaacc aagagccttt taaatattga aaacccatag ttcagaaaat 60
 gttagtattg ctgcccttct tcacataaat ttttttttaa attatactat tatttttgctt 120
 aattttatat tgggttaaaa caaccttcaa gaaggttaac taggaaagaa gacctttttg 180
 ttttattttt actatttata tatagaagac aaatcagcat ttggtgatag ttttacatga 240
 ccagttatca aacggtcata gtatgaagtg tgcagttggt cattattagt aaattatggt 300
 tgatttttaa actatttagt actaatagtt gagatgaaaa ctgaagaaaa atgccaatgt 360
 gacgtttggtg tatagctagc cttaaaaaac ttcccatggt tttaggtgac ttttttcccc 420
 ctcttagtac tctggagaaa caatgaagat gggccatctc aattccagat gtaaacaaaa 480
 agtaattttt atttcaacat ttaatgtaac tgctattatt gnggattctt gncttgngta 540
 ttttctttcc cttattcaag taatatagaa taactttcct taaaatgatt tgatccaaga 600
 tacgtcattt ctgtattggc aaaatgccnc tattaaagtg t 641

<210> 329
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 329
 gttaaagtga tacattttta taccaaatgt gtttattttt ttgtgcaagt aatccttaaa 60
 attgcaattg tattaggtgt taaaataaag tttttaaaaa attaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aa 132

<210> 330
 <211> 666
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (623)..(623)

<223> n is a, c, g, or t

<400> 330

gacaacctta gccaaaccat ttacccaaat aaagtatagg cgatagaaat tgaaacctgg	60
cgcaatagat atagtaccgt aagggaaaga tgaaaaatta taaccaagca taatatagca	120
aggactaacc cctatacctt ctgcataatg aattaactag aaataacttt gcaaggagag	180
ccaaagctaa gacccccgaa accagacgag ctacctaaga acagctaaaa gagcacaccc	240
gtctatgtag caaaatagtg ggaagattta taggtagagg cgacaaacct accgagcctg	300
gtgatagctg gttgtccaag atagaatctt agttcaactt taaatttgcc cacagaaccc	360
tctaaatccc cttgtaaatt taactgttag tccaaagagg aacagctctt tggacactag	420
gaaaaaacct tgtagagaga gtaaaaaatt taacacccat agtaggccta aaagcagcca	480
ccaattaaga aagcgttcaa gctcaacacc cactacctaa aaaaatccca aacatataac	540
tgaactcctc acaccaatt ggaccaatct atcacctat agaagactaa tgtagtata	600
agtaacatga aaacattctt ctncgcataa gcctgcgtca gattaaaaca ctgaactgac	660
aattaa	666

<210> 331

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (67)..(67)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (142)..(142)

<223> n is a, c, g, or t


```

<400> 331
aaagagctcc caaatgctat atctattcag gggctctcaa gaacaatgga atatcatcct      60
gatttanaaaa atttggatga agatggatat actcaattac acttcgactc tcaaagcaat      120
accaggatag ctgttggttc anagaaagga tcgtgtgctg catctcctcc ttggcgctc      180
attgctgtaa ttttggaat cctatgcttg gtaatactgg tgatagctgt ggtcctgggt      240
accatggctg gtttcaaagc tgtggaattc aaaggataaa ttaatgaaga aaacaagcgg      300
agctgaagaa gaaagtacaa tatggtgctg tcttcctaatt gaaataaatt cactaaatgg      360
acattaaaaa                                     370

```

```

<210> 332
<211> 741
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (612)..(612)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (677)..(677)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (690)..(690)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (703)..(703)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (713)..(713)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (719)..(719)

```

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (726)..(726)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (730)..(730)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (736)..(736)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (739)..(739)

<223> n is a, c, g, or t

<400> 332

agactcgagc aagcttatgc atgcatgcgg ccgcaattcg agctcggcca cttggccaat	60
tcgccctata gtgagtcgta ttacaattca ctggccgctcg ttttacaacg tcgtgactgg	120
gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atcccccttt cgccagctgg	180
cgtaatagcg aagaggcccc caccgatcgc ctttcccaac agttgcgag cctgaatggc	240
gaatggaaat tgtaagcggt aatattttgt taaaattcgc gttaaatttt tgttaaata	300
gctcattttt taaccaatag gccgaaatcg gcaaaatccc ttataaatca aaagaataga	360
ccgagatagg gttgagtgtt gttccagttt ggaacaagag tccactatta aagaacgtgg	420
actccaacgt caaagggcga aaaaccgtct atcagggcga tggcccacta cgtgaaccat	480
caccctaatac aagttttttg gggtcgaggt gccgtaaagc actaaatcgg aaccctaaag	540
ggagcccccg atttaaagct tgacggggaa agccggcgaa cgtggcgaga aaggaaggga	600
aaaaagccaa anggagccgg cgctagggcc tggcaagtgt acgggcacgc tgcgcgtaac	660
cacccacacc ccgccngct taatgccccn ttcagggcgc gtncatgatgc cgnattttnt	720
cttacncatn tgtgcnggnt t	741

<210> 333
 <211> 719
 <212> DNA
 <213> Homo sapiens

<400> 333
 taaaataatg gcaaaaaaca aacaaaaaac aagttctcta aacagaaagg aaattactaa 60
 agaaggaatc ttgaaataac aggaaagagg aaataccaca gtaggcaaca ttatgggtaa 120
 ataaaacaga ctttccttct ttagtttcct aaaatatgtt tgatgattaa tgcaaaaatt 180
 acaatatttt cttatgtagc actaaaggta tgtagagaaa atatttaaga taattgtact 240
 gtaagcggga gatgacagtg acataaaggc aacgttttta tacttcactc aaactttatg 300
 tattaatgta atccataaag caaccaaaaa agctatacta agtacattca aaaacacaat 360
 agataaacca aacaaaattc taaaggatgt acaagtaacc cactggaagc tgcaaaaaat 420
 gtaaacagaa actaaaaaca gagaataaat gaaaaattaa aaacgaaatg gcgacttag 480
 gccctaatat acaaattatc acattaaata taaatgggtc aaatacacca actgtaagac 540
 agagattagc aaagtcgatt taaaaacatg actcaactac gtgctgtcta caagaaactc 600
 acttcaaata taccaagata ggaagggtga aagtaaaacg atggaaaaag atgtatcatg 660
 tgaacattaa tcaaaggaaa gcaggggtgg ctatattaac atcaggtaaa ataaacttt 719

<210> 334
 <211> 603
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (548)..(548)

<223> n is a, c, g, or t

<400> 334
tgaggntggg catgatgcan aagctactca aatgcagtcg gcttgtcctg gctcttgccc 60
tcacctctggg tctggaatcc tcagttcaag gttatcctac gcggagagcc aggtaccaat 120
gggtgcgctg caatccagac agtaattctg caaactgcct tgaagaaaaa ggaccaatgt 180
tcgaactact tccaggtgaa tccaacaaga tcccccgctc gaggactgac ctttttccaa 240
agacgagaat ccaggacttg aatcgtatct tcccactttc tgaggactac tctggatcag 300
gcttcggctc cggtccggc tctggatcag gatctgggag tggcttccta acggaaatgg 360
aacaggatta ccaactagta gacgaaagtg atgctttcca tgacaacctt aggtctcttg 420
acaggaatct gccctcagac agccaggact tgggtcaaca tggattagaa gaggatttta 480
tgttataaaa gaggattttc ccaccttgac accaggcaat gtagttagca tattttatgt 540
accatggnta tatgattaat cttgggacaa agaattttat agaaattttt aaacatctga 600
aaa 603

<210> 335
<211> 71
<212> DNA
<213> Homo sapiens

<400> 335
atztatctaa tatttggttt aataaaatgt gaataatgaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa a 71

<210> 336
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (617)..(617)
<223> n is a, c, g, or t

<400> 336
ttttttttta ttttttgaga atggagtctt gctctgccgt ccaggctaga gttcagtggt 60

gcatctcag ctcactgcc cctcacctcc taggttccag agattcttgt gcttcagcct	120
cctcagtagt tgagaataca ggaacacgcc accacgccta gctaattttt gtatttttag	180
tagagatggg gtttcacat gttggccagg ctggtctcaa actcctggcc taagtgaccc	240
acctgcctca gcctcccaa gtgctgggat tataggcgtg agtcattgtc cccagccgga	300
tgttttcatc ttgatttgcc ttagtttcta aatctcatcc tctccatttt ctctgttag	360
tagtcacaga gaaccaaatt ctgtcaagtt atgaaactaa agtctctctt ccacaagtct	420
tcctgtgttc tgcctcaagt gaacttgaaa gaacatcagt ttgtgggaag gttgaagacc	480
gaatgatctg ctgggaaatc actgaggcat tgccattctc ttgaggaatt tcattttcat	540
cgaagtttcg gtttatatcc ctttcttggg gagtactatt gctgttatgt aaattaaatg	600
agtcgtcatc cttcttntga gc	622

<210> 337
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 337	
gtgaaatcac tttcatggat tattaatgga tttaagaggg catcaatcag ctcaactcaa	60
gatttcataa tcatttttag tatttagatt gtgcctcaaa gttgtagtac ctcacaatac	120
ctccactggg ttctgttgt aaaaaccttc agtgagtttg accattgtgc tcttggctct	180
tgggctggag taccgtggtg agggagtaaa cactagaagt ctttagtaca aaactgctct	240
agggacacct ggtgattcct acacaagtga tgtttatatt ttcataaag agtcttcct	300
atccaaggt cttcatgatg ccagtagcca tatatgataa attatgttca gtgataactt	360
agttatcaga aatcagctca gtggtcttcc ccgcatgat tcacatttga tgagttttta	420
aaaatcaaag tgattttgaa aatctctaag ggctcagaaa ataaaaacat ccagtttgtg	480
gatgactata tttagatttc t	501

<210> 338
 <211> 630
 <212> DNA

<213> Homo sapiens

```
<400> 338
ttgtgttttt aggactcctt atctaaatta aggcagagaa gttacagtat ttatatctgc      60
attaaatctc aattccagaa aaaccttttg aaaaattatt taatcctctg gaaactattg      120
atatgataca ggagaaatth tcagaagttt attgaataat ttaatatcat ttaataggac      180
actctggctt gtatataagc agatacgtaa ctcagacttc ttggctgtac tctaaaataa      240
tatatgtact agtctcctaa atattactag ctcacctttc aaaatgcata ctaatatthc      300
aatgtctthc ttcaatthga aaagctcttg aatatctact tgtgatagcc ctaagagctg      360
agataattat ttccaggagg ttgaatccct gattcttaac tgttcagcaa tgcataagca      420
agagagaata tgacataaga ggaccatthc tacattagcc atththththc acaagatacc      480
tatgtgaata cagggcacct gggagggtaa gtggaggact atthctaact atathhataa      540
gcacatactg atathggtga atcaaaacct acagcagtgc thctcagatg ggaagggaga      600
caatgtgtaa ggagatcagg aathcattag      630
```

<210> 339
<211> 122
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

```
<400> 339
ccanaatcca ctctccagtc tcctccctct gactccctct gctgtcctcc cctctcacga      60
gaataaagtg tcaagcaaga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      120
aa      122
```

<210> 340
<211> 640
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (110)..(110)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (131)..(131)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (232)..(232)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (316)..(316)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (330)..(330)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (364)..(364)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (379)..(379)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (612)..(612)
 <223> n is a, c, g, or t

<400> 340
 tttttttttt tttttttttc agagtcacag atattgtata gctgaggtaa gcattttaca 60
 actttttcaga cacaagtaag tacataaata ttattttaca accaacaatn tttaatatatt 120
 ccacattgaa naatagatgt gataattaaa tctttttataa ggtttttaaaa agacatgaaa 180
 cataaaccta attatacata aaagaaaaga atttttaaaca agagcttatt gngatgacat 240

tactcataac ttttaccttt aaaacctttt cttgggtagc tattcaaaag taaagaccac	300
aagttttggt gcccanattt cttatgtttt gtatatataa gctctttatt tattgaacag	360
atgngtcatt aattcattnng gagcattact attatcagta aaatttgatt tttttttccc	420
ctcagtcata ggtaaatacag ctccacctgg aattttctaag gacccagttt tagtcaatat	480
tttcaagtaa tcatgacctc agaaatagtc ttaattaaga taacaaatat tagccatcaa	540
aatggaacca agacaagatt ctaatgtttg taaacagtca atccatattt atgaatatta	600
gcatatattg gngaatagtt aaggcaaaag ggtctagcag	640

<210> 341
 <211> 667
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (505)..(505)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (557)..(557)
 <223> n is a, c, g, or t

<400> 341	
ttgtgttttt aggactcctt atctaaatta aggcagagaa gttacagtat ttatatctgc	60
attaaatctc aattccagaa aaaccttttg aaaaattatt taatcctctg gaaactattg	120
atatgataca ggagaaattt tcagaagttt attgaataat ttaatatcat ttaataggac	180
actctggctt gtatataagc agatacgta ctcagacttc ttggctgtac tctaaaataa	240
tatatgtact agtctcctaa atattactag ctcacctttc aaaatgcata ctaatatttc	300
aatgtctttc ttcaatttga aaagctcttg aatatctact tgtgatagcc ctaagagctg	360
agataattat ttccaggagg ttgaatccct gattcttaac tgttcagcaa tgcataagca	420
agagagaata tgacataaga ggaccatttc tacattagcc attttttttc acaagatacc	480
tatgtgaata cagggcacct ggganggtaa gtggaggact atttctaact atatttataa	540

gcacatactg atattgntga atcaaaacct acagcagtgc ttctcagatg ggaagggaga 600
 caatgtgtaa ggagatcagg aattcattag tcacctttca gatgggttaa tgcatacagc 660
 tgtaccg 667

<210> 342
 <211> 591
 <212> DNA
 <213> Homo sapiens

<400> 342
 ggagtttgag cagatccttc aggagcggaa tgaactcaaa gccaaagtgt tcctgctcaa 60
 ggaggaactg gcctacttcc agcgggagct gctcacagac caccgggtcc ccggccttct 120
 gctcgaggcc atgaaggtgg ctgtccggaa gcagcggaa aagatcaagg ccaagatgtt 180
 agggacacca gaggaagcag agagcagtga ggatgaggct ggcccatgga tcctgctctc 240
 cgatgacaag ggagaccatc cccacacccc ggagtccaaa atacagagtt tctttggcct 300
 atggtatcgg ggtaaagctg aatcctctga ggatgagacc agcagccctg caccagcaa 360
 gctaggggga gaagaggagg cccaaccaca gtctccagct cctgatccgc cctgttctgc 420
 cctccacgaa cacctttgtc tgggggcctc agccgcccc gaggcctgac ttaggggtct 480
 ggctgtggaa ggatgtgtgg cctcaaatga ggacagggt cccgccttca cagccctcgc 540
 caggggtctg cccaatcct ggccctgcac aggcaaggac ggggtctcag c 591

<210> 343
 <211> 642
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (441)..(441)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (622)..(622)
 <223> n is a, c, g, or t

```

<400> 343
gcaagtcttc agtatgtaca tttatcccct agaagaagaa aaattagttg tgcataaaaa 60
agaaacatta actgcaaagc taaatgctca cactctaaat cagtgccttc caaagtacag 120
caggcgggaa aagaaaatgg tagatTTTTT tcttccaatt actttaactt attcttttta 180
atggacactt catacataaa tatattcaca atatattaat atatacataa tgtataagca 240
tacatattga atgtgcagtc aaaaaatgta ctaatggaat gctctaccaa aacaagttca 300
cgttcatctg taaaatggga ataatatTTT taaaaggcat acagtctgaa catttttaga 360
ttattcataa aatctattca gaaagttaaa ctaaaaaatt taacgtatgc ctataacaaa 420
ttttgtactt aatgtaattg nttttcatcc tgagatctaa tctcctcgtt ttttaagtaga 480
gccacttggt tgctacagtt tagtcaaaac gttaacatta gatgggtaaa gtaatatgaa 540
atctttctac tactccaaaa tagaaaacag aacattaaaa agataaaaaat tcaaacatac 600
ttaccagtag attttcaact gngcaaaaagc tcattgcatg gg 642

```

```

<210> 344
<211> 661
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (587)..(587)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (590)..(590)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (600)..(600)
<223> n is a, c, g, or t

```

```

<400> 344
gttttccacc gtgaagagaa catttcctct gggaatgaca aagccctcag gaacngcttt      60
tattttctatt ggaagatgcc catcatactt ctggcaggat aaaatgataa atttatttat      120
tcaacagatg atactcaatt ccctgctggt ttactaaagg ttctttacgt tttatagaag      180
ctaaatttac tgtcatagaa attgcaattg tagatgttac tgtaatctag tcagaatatc      240
cttatccttc taaaataaaa ctagttaaaa ttattaacat acgtactgat attaattttt      300
aagtttaatg ctgccacgtg cttctgctaa gaacatttat cactacaagt ggcagaaaat      360
tccaaactca tcaaaaccaa actgttgctt cttccctgct ttttcagaaa atgagaaagg      420
atgactttat tccaacatat tctaaaagta ttccaagaac actaccttta ttctaaattc      480
gttattttca caaaataaag gctgcagatt gaaagataaa ggattgctat taaagaacaa      540
aagaaaacaa aaccgagaga gaaggagagc tagggaaatc cctgcanaan aaccgaatan      600
ggtccctcta ttctgggccg gggcctgaaa ctatgaaaca ggccaacaca gaatcttggc      660
a                                                                           661

```

```

<210> 345
<211> 661
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (571)..(571)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (600)..(600)

```

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (628)..(628)

<223> n is a, c, g, or t

<400> 345
cctctgactc gctcagctca cccacgctgc tggccctgtg agggggcagg gaaggggagg 60
cagccggcac ccacaagtgc cactgcccga gctggtgcat tacagagagg agaaacacat 120
cttccctaga ggggttcctgt anacctaggg aggaccttat ctgtgcgtga aacacaccag 180
gctgtggggc tcaaggactt gaaagcatcc atgtgtggac tcaagtcctt acctcttccg 240
gagatgtagc aaaacgcatg gagtgtgtat tgttcccagt gacacttcan agagctggta 300
gttagtagca tgttgagcca ggccctgggtc tgtgtctctt ttctctttct ccttagtctt 360
ctcatagcat taactaatct attgggttca ttattggaat taacctggtg ctggatatatt 420
tcaaattgta tctagtgcag ctgattttta caataactac tgtgttcctg gcaatagtgt 480
gttctgatta gaaatgacca atattatact aagaaaagat acgactttat tttctggtag 540
atagaaataa atagctatat ccatgtactg nagtttttct tcaacatcaa tggtcattgn 600
aatgttactg atcatgcatt ggtgaggngg tctgaatgtt ctgacattaa caattttcca 660
t 661

<210> 346

<211> 115

<212> DNA

<213> Homo sapiens

<400> 346
aaacttttgt ggcaacagtg cactaatttg gataatgttt gttcccaata aattaagagc 60
caaattgtaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 115

<210> 347

<211> 634

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (593)..(593)
 <223> n is a, c, g, or t

<400> 347
 gccaggcttt gtgaattaca ggacatttga gacaatcgtg aaacagcaaa tcaaggcact 60
 ggaagagccg gctgtggata tgctacacac cgtgacggat atggtcgggc ttgctttcac 120
 agatgtttcg ataaaaaatt ttgaagagtt ttttaacctc cacagaaccg ccaagtccaa 180
 aattgaagac attagagcag aacaagagag agaaggtgag aagctgatcc gcctccactt 240
 ccagatggaa cagattgtct actgccagga ccaggtatac aggggtgcat tgcagaaggt 300
 cagagagaag gagctggaag aagaaaagaa gaagaaatcc tgggattttg gggctttcca 360
 atccagctcg gcaacagact cttccatgga ggagatcttt cagcacctga tggcctatca 420
 ccaggaggcc agcaagcgca tctccagcca catccctttg atcatccagt tcttcatgct 480
 ccagacgtac ggccagcagc ttcaaaaggc catgctgcag ctctgcagg gacaaggaca 540
 cctacagctg gctcctgaag gagcggagcg acaccagcga caagcggaag ttnctgaagg 600
 agcggcttgc acggctgacg caggctcggc gccg 634

<210> 348
 <211> 528
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (362)..(362)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (472)..(472)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (525)..(525)
 <223> n is a, c, g, or t

```

<400> 348
gttgccgggt cctgtgataa ctctgtttaa cattttgagg aactgttgaa tggtttttca      60
cagcagctgc ctcatTTTTT attcccatca gcagtacttc ttggttctaa tacctccacg      120
ttctcgccaa cacttggtgt tgtctgtaat ttcgttggtta gccatcccag tggggatgaa      180
gtagtatctt actgtgggtt tcagttgcgt ttccctgata attaatgatg gtgaacatct      240
tttcatgttc ttgttggtcc tttgtatgtc ttcttgggaa aaaaaaatg tctgttcaaa      300
tcctttacaa agtatttatt ttttatgtca acaatataac cactcagtac actgcttttt      360
anacaatgat cttttaaaagg tttgtttaca acatttagca cttgaaattt taaggttatg      420
ccctcaaaaa aattgctgag ggagctaagc tatgaagatg caaaggcata anaattatac      480
aatggacttt gggggaatcc agggaaaggg tgggaggggg gtgangga                    528

```

```

<210> 349
<211> 573
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

```

```

<400> 349
tcgactctga tttttttttc tccttctctg cagccgcgcc agggagctcg cgnggcgcgg      60
cccctgtcct ccggcccgag atgaatcctg cggcagaagc cgagttcaac atcctcctgg      120
ccaccgactc ctacaagggt actcactata aacaatatcc acccaacaca agcaaagttt      180
attcctactt tgaatgccgt gaaaagaaga cagaaaactc caaattaagg aagggtgaaat      240
atgaggaaac agtatTTTTat gggttgcagt acattcttaa taagtactta aaaggtaaag      300
tagtaaccaa agagaaaatc caggaagcca aagatgtcta caaagaacat ttccaagatg      360
atgtctttta tgaaaaggga tggaactaca ttcttgagaa gtatgatggg catcttccaa      420

```

tanaaataaa agctgttcct gagggctttg tcattcccag aggaaatggt ctcttcacgg	480
tggaaaacac agatccagag tggtactggc ttacaaattg gattgagact attcttggtc	540
agtcctggta tccaatcaca gtggccacaa att	573

<210> 350
 <211> 659
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (216)..(216)
 <223> n is a, c, g, or t

<400> 350	
tcatttacat taataactcaa aactgctcga ttaagcaggt gctgttctta tcgccatttt	60
gcatatgatg agaaagggtg aggtcaccca gctagtattt ggctcacagc aggccttaag	120
acttggtttg tgtgactcat cagtccacgc tcctaaaacc actaagttgt tctacccttt	180
aatgttgaat taacattgga tagtgttcaa gtttanatgg gtgggtgagg gccaaggac	240
ctttcaaact cagatctctt atttaataac ctgggtcccag atccattcct ctgtogaaga	300
ggaagtcatc cttcagtggc tattcattgt ggggttaaga gcgcagacta tgaattcagt	360
ctttttgggt ccagtttgc cagaccttga gtgagtgcc cgagtttact tacttgtaaa	420
ggtaggtgga ggtaatatata ttaaataaac ttaaaaaact aattaaaaac aaaacaaatg	480
aactaaggtc ttaggatatc tggcgtctat tttgcgccaa atcacataat gtctattggt	540
gtgtgttgga ctataggatt gtcctttaac agggaagggt ttatttctgt aatcaagtct	600
gtcaatatta tgaccatggt gataatagct acctttaatt gagggcttcc atgtgccaa	659

<210> 351
 <211> 517
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (251)..(251)
 <223> n is a, c, g, or t

<400> 351
 tcagtggaaa agggcaggtt gaatcaaggt gaatcaatct gaaattgagc acacctgcct 60
 gccatcgctg ttccttcaac tgagtgctgc acatcatggg ctctgtctgt gagagaaaaa 120
 tcccgggtgct tgggtgtcctt gcatgacatg gagttttgca tgtagatcaa tttaaaatgt 180
 acctcttggt tacataattt gcataatttt aaaagataat gttgccaaac tttggaaatg 240
 ttaatgttca nactgaaaat ctccactaca tgtaactttc ttcctctgga tcagtggcat 300
 ggcttataat cccagccagt ggtttgaact gttccagtgt caactgccat gtgctctgct 360
 tcaaggggga actagccttt tgtgaatttt ttgtacataa gtatttggtta caaatatttt 420
 agcaaatgct ttctatttct cttgcttggt catatcttgg ctggcggttac agaaaaatag 480
 tgtaaacatt atttccttac cggggaatga gggtttt 517

<210> 352
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 352
 agcacctggc acagagtagt agctaacaca gatgttaatt ttgctgcgtc aaatgttttc 60
 actttgaatc tctcttgagt attgttctcc ttattgatta catgatgaca tcctgttttc 120
 tctccctgac ctttactggt tgttttagaaa aaaaaaaaaa aaaaaaaaaa aaaa 174

<210> 353
 <211> 664
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (240)..(240)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (480)..(480)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (635)..(635)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (642)..(642)
<223> n is a, c, g, or t

<400> 353
cagagagctt gttccctccc tcctgtgca tgcaaacaag agggcatggg agcacacaga 60
gagatggcag ccacctacaa gccaaagagga gaagcctcac aatcaaactc tcgctgctgg 120
cgagagtctt ggactctgtc ttggacttcc agcctccaga ctgtgagaaa caaatttctg 180
ttgtttcagc ttctcagtct ctggtgtttt gttattgcag cctgagaaca cagctgtacn 240
attatnaggg aaacagaaaa cactgatact taacaatgct aatgcaatta tttatttgct 300
tttcagtctc tacaaaacgt tctaaaacac taatctaaat attaacagta aaatatttgc 360
ataactaatg gaaactaaga aatcatatga ccaatatttc acttattggt aatcttactc 420
tactgatttc cccccagact gtgatttttg aacttccttg cctttctcct gtctttctgn 480
gtttattcat ggaattccag ttatctgggc ttgaaattgc aggctctcct aacttaagca 540
aaatctgaca gatcagcaaa atgagataaa tgtttctttt ttctttctga ctgcattaaa 600
tcagatacaa ctcagcatta aaaagctatc tttnaaaaat gntggtacta ataaattagt 660
ctta 664

<210> 354
<211> 661
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (493)..(493)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (554)..(554)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (556)..(556)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (644)..(644)
 <223> n is a, c, g, or t

<400> 354
 ccagttccac attcagtgaa gtcattgaact tgaaattggc catgatcaaa aagtatttaa 60
 atcacagaag ttgcaaatgc cacaatcaa ggtctttttc tcttgagaa cctgttaaac 120
 attaccaac tcacgaccgc catgcacca atactgcaat aggtctatag atgcagatac 180
 tgtctccatg aatcttatag gctagaaagg aaatagataa gtagtcctac cagaagaaca 240
 tgatgaaggc atttgtggt aacagaatga tggcccccca aagatgtcca catcctaatac 300
 cctgaagcct atgaatatac tactttactt ggcaaaaggg actttgccac aggtttttta 360
 ttaaggacct tgaaatagag agattatcct ggataatcca gatggccccca gtgtaatccc 420
 aagggtcctc acaaagggt a ggaaggagag ccagagtcag agaaggagac gtagcaatgg 480
 aggcagaggt canagagaga tctgcagatg ctgctgtgtt ggctttgaaa atgaggaatg 540
 caggtgacct caangngcta gatgatgcaa ggaaacaaat aatctcctat gaaccctagg 600
 atgggcatta ttatgagtc tattttataa acaaggaact gacntccaga aagataaatg 660
 c 661

<210> 355
 <211> 626
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (55)..(55)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (99)..(99)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (116)..(116)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (219)..(219)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (444)..(444)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (457)..(457)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (564)..(564)
 <223> n is a, c, g, or t

<400> 355
 ggcagaggtt gcagtgaact gagatcatgc cattgcaatc cagcctgggc aacangagtg 60
 agactccatc tcaaaaaaaaa aaaaaaaaaag acaagagtnt ccactctaaa cacttntatt 120
 caacatagtc ctgaaagtcg tagccacagc aatttaacaa gataaagcaa taaaatgtat 180
 tcaaatagaa aaagaggaag tcaaattatc ttactggng atataattct ctacctggga 240
 aacttcaccg aaaaagattt caccaaaaga tttctaagcc taaataatga cttcagcaaa 300
 gtctcaccat aaaaatcaa catacacaaa tgagtagcat ttctgtgcac caataatatt 360

caagctgaga aaaaaagaac atggttctat ttacaatagc tacaacaaaa aaaatatgta	420
cctagtaata cattaaatca aggnngtaaa atatctntac aacaagaact acaaaactgc	480
tgaaaaaaaa tagagacacg caaataagta aaaaggcact ccatgctcat gaatttaaag	540
aatcaatata attaaaatgt ccgngctgcc taaagcaact tacagattaa aggctatttc	600
tctcaaacta taaatgcacc ttttta	626

<210> 356
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (317)..(317)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (321)..(321)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (406)..(406)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (543)..(543)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (569)..(569)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (571)..(571)
 <223> n is a, c, g, or t

<400> 356	
gtcattgctg ggtggcgcca gccctcagac ttgcctcttt gcagtaggaa gaaggcctcc	60

ccacatacct tcccacactc atcaccttaa gccagactcg gtgtccagtg aatatgacca	120
tctcttgccc attttctaataat gagtggttttc attaatgagt tataagaatg tgggtgggtaa	180
atctatgggc tttgaactag tgaatcaact tgggtttcaga atctggcact gctacttact	240
agtgaattta agcaagttat ttcacctttc agagtgtcag ttccttcacg catacaagga	300
agataaaaaa taatgtntac naaagtattg gagtaattaa tacatggaga actacatgta	360
aagcggttag catgatgtct gacatattaa gcatccaata ttagtngctt gcagaattat	420
tagtaaaaga gattgcttct gaaagccatt ccaattctta aattttataa tgccacattt	480
gaggtcacct gaagtcgtgt ataacatgtg tacatttttg cgatttattt tttcaattcc	540
canattaaag gcatagagat atcctagcna nggactccaa gtgtg	585

<210> 357
 <211> 560
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (477)..(477)
 <223> n is a, c, g, or t

<400> 357	
gtaattgcag cctgggcaac ggagtgcag actgtctcag gaaaaaaaaa agaaaaaaaaa	60
ctactgaggt agttgaatat atcctccatt ccccatattgt ggattagtta gttaatgggg	120
catcttaggg tttaaatatg tccagggtca ctgaggatca gatcctaggg ttcctttgac	180
tcaaggcttt tgtctcagca aaacgtcacc ttccagcagg aaggctttct caggcaagta	240
gcagggtggc tactatgtat cgcttcttta ttttttcttt tttaaaataa tgcaggcacc	300
gtgcgcataa tttaaaaaat cagtgcataa acccttaaaa aaaaaaagct gttctcatct	360
cctgtctttc tttttttttt ctttttattt ttttctttta ttattattat actttaagtt	420
ttaggggtaca tgtgcacaac gtgcagggtt gttacatatg tatacatgtg ccatgtnggt	480
gagctgcacc cattaactcg tcatttagca ttaggtatat ctctaatagc tatccctccc	540
ccctccccc tttttttttt	560

<210> 358
<211> 645
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (629)..(629)

<223> n is a, c, g, or t

<400> 358

gggaatgtct taggcactgg gactgtaagt gcaaagaccc tgtggcacia gggaatgtta	60
attatctacc ttctanaaac tggaanaagg cctagcctag agcattgaaa acaataaggg	120
aaaggaggag taaggctgga nagataggaa tggtttaaaag tctttgttaa aaatTTTTTT	180
aaaaaaatct ttatcacaag aagaggattg gcntgatcaa atttgacttt taaaaanatt	240
acttgggttg ggcattgatca aatactactt agggagatta gtttanatga taatggcatt	300
ctggaccana gtggagtcag aggtgaaaag aggtagatat tccanaattg agggatttgt	360
gaggtgaaat catttggttac agatattaaa ggataaggag ctttgtcaaa ggggatctta	420
agtttctggt atggtaactg ggtagagag ccctggaaca tgaccagctt taagggaaga	480
gagcttgagc tctgttcttg ttaagctcag tttagagatct ttgtggaatc aagtggagag	540
gtctaagcag ggaactggct tggctaggct gtaaagatga atctgagagt cccaagaata	600
tggttaattat taataaaagc cttaggtana tgaaattggt ttggg	645

<210> 359

<211> 509

<212> DNA

<213> Homo sapiens

<400> 359

gcaaatctac acatttgatt aaatgatagg gaactatgca cacacataat acatataatg	60
ctagtttctt ggttttgata ttgtaccata gttatgtaag atgtaaccat tgggggaaac	120
tgggtgaagg ctacatgaga cctctctgta cttaatcttt gcaacttatg tgaatctata	180
attattccaa aataaaaagt tttaaagaac ctaagtatcc ttattactga gggatcatcg	240
gctagacagc aagggtgggc cagagcttct agttatttaa aatactaaat accagcctgg	300
gcaacatagc aagaccctgc ctctacaaaa agcaaaaaaa ttagctgggc atggtggtac	360
atgcctgtgg tcctagttac tcttgaggga gtctgaggtg gggagcttga gcctaggagt	420
ttgaggccgc agtgagcctt gattgtgtct ctgtactcca gtctgggcca cagagcaaga	480
cccggtctct aaaaataaat aaataaata	509

<210> 360
 <211> 511
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)..(2)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (37)..(37)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (149)..(149)
 <223> n is a, c, g, or t

<400> 360
 antgcactcc agcttggtga cagagggaga ctccatntta aaaaaaaaaa aaaaaaaaaa 60
 aaagggagta gcttgaagcc acatagtagt tagtggtaaa ggccaccctt tttcccacaa 120
 ctcacaccag caccacaagc tagcctttnt aatttccaag ccagtgcctt ttcaacgcac 180
 acaccctgt gtcagttccc tttctgctgc aagctctctg gaggcagata ctgttgagtc 240
 cctggcctgc ctatgagaac ggctcatgat ctctatttct tctgcttaat gaccatctcg 300
 aagtaacaag tttagcctaa aataaacttg ctaagtttagc aaaggaagtc cttagcagcc 360
 accatttctc gattcctcca tcacctccc tgcccctcaa ctccctcatt tctcccaaga 420
 tatgggctcc aggctgggcg cgggtggctca cgcctataat cctagcactt tgggaggctg 480
 aggtgagcag atcactgagg tcaggagttc g 511

<210> 361
 <211> 16
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (3)..(3)
 <223> n is a, c, g, or t

<400> 361
 tcnttcggaa cgcgcc 16

<210> 362
 <211> 579
 <212> DNA
 <213> Homo sapiens

<400> 362
 ctggagggat gggtaggatt ttgacaagag tggttgaagg tattctaatt cacttagtac 60
 ctacatgtgc gaggcagcat gaaggcaaaa aagcctgggg catgttcaga gaatagcaag 120
 tattctagtt tgagtggcac ctggtacgta tataagggaa tagtaaaaga tctggctgga 180
 aaggaaaagt aggggcaggt tacgaaggac ctctgaaagt cagactgtgg aactggaact 240
 tttatcagga agcagtagtt agttttttca agcaaaagct aattagagtt gatatttagg 300
 aggatgaatc taacagttgt gtgcaaggat gccttcaaac tgagtgagac tagtactgga 360
 gactggttaa gagactacaa caataacctg agtaagaatt aatacaggcc tgacctagtt 420
 ttgagtgagt aggattggaa acaagagttt taggtattat aggatttatg catataaaat 480
 ggacttgaca gaacttgaag aaagagaaag tgtcaaaagg acacagaaag tgaggcagga 540
 tatcttacia tggttaaagga aaggaataat agaagttac 579

<210> 363
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 363
 ggaaacataa gcttgtttca gtacactcac gctgtagatt aattctgata ttacatatct 60
 ccatcagact ttgtaccctc tctcttccat cccttaccct taccgattag gttgggtatta 120
 cctaaaaatc catagaaaat gtccaggtga attgccttat gctttctacc ccataaggta 180
 taatt 185

<210> 364
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (649)..(649)
<223> n is a, c, g, or t

<400> 364
ctctgtggtg tgagaacaca gtgggtgacc aaggctttcc agatgaaccc aaggaaagtg 60
aaaaagctga tgctaataac cagacaacag aacctcagct taagaaaggc agccaagtgg 120
aggcactctt cagttatgag gctacccaac cagaggacct ggagtttcag gaaggggata 180
taatcctggt gttatcaaag gtgaatgaag aatggctgga aggggagtgc aaaggggaagg 240
tgggcatttt ccccaaagtt tttgttgaag actgcgcaac tacagatttg gaaagcactc 300
ggagagaagt ctaggatggt tcacaaacta caaagctgaa gaaaatgaag ccctattact 360
tgtttgtaag atttagcacc cttctgctgt atactgtact gagacattac agtttggaag 420
tgттаactat ttattccctg ttaaaattta acctactaga caatgatgtg agtaccagg 480
atgatttcct ggggcacagt gggtgaggag atggggacag gtgaatggag gagttagggg 540
agaggaaaag tggatggaag tgtctgaaa gggcaccaaa aaagtcttcc aggtctgatc 600
ctgtttcttg ctctgagtgc tagctaccac tgtgtcacac tgtaacatn 649

<210> 365
<211> 655
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (607)..(607)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (644)..(644)
<223> n is a, c, g, or t

```

<400> 365
ctcagctctt gcctgggtcac cttgtggctt ttaccatcct catccccctgt gccacccaca      60
tcctgccact tctgcatgga gttgggggtgg ggccattgga gaaaagaggt taaacaagca      120
gtaatttact tgagtacagt ctttgagcca atgaaatgcc agtcatcatt tcccaggggt      180
acttgtcatc ttgtcaacaa cccgctgata atgctccttc aatgtgaata gcaaaagtag      240
ggagagacgc tgaatgaaga agatgcctac ccctcaggaa gactgctgtc cgcctccagg      300
cctgcatgca cacacccatg cccacctgca cccccagcac cagccccaca ctactcgca      360
cacaccaca tgccagtgtt ttgggggttg cagcctggac actgctgagg caaacacaag      420
tcatcaagca taattctcat tctctccttc tgtctctgtt ttagttacag gaatttggtc      480
agtttagagg atttaataag tccgtggaaa atttgtttct gtctcttgct acccacgtga      540
aaagtaagtg catgcttcat gatgtgtttt cccactacct tccaggccag ccgagccac      600
tggccanggc ctggccccgt gacctcgggt gacactgtcc tcangccact cactt      655

```

```

<210> 366
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

```

```

<400> 366
cagaatttca tgtttatgct gcacaaggcc tgtattttat aatgggtggct cttttggacg      60
atgacttcct cgatggtgaa acttccagta atctccctca tcatactgaa atgatatcag      120
tatatcatca gaacaccatg gagcttgtca tttagaggac acagcttgct tgtgtgcttg      180
ggaaagaaga ggttttagcat ggtttcagggt cagtgatgag tccaatgatc tctgcaagtt      240
cccttagctc tganaattct gatgtcatat gcacttctgc cgccagagtt gctgcttact      300
ggatgcgtaa gaagaaaaga aaaaaaaaaa aaaa      334

```

<210> 367
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (506)..(506)
<223> n is a, c, g, or t

<400> 367
cttccattgg gggtaaagat caaacttttag gcgagccagg tctgtatctc cattcctgtc 60
tctgactgct tccctgtagg gattgtctgc aagcgcacac ctgcattttc ttgtccacaa 120
gtctatgctc taactctgtc acctgcatgg ctgcaaatta gcttccttct tccctgccctc 180
ttctctctag cttggatttt gaatttgaat ggcaggcatg ggatgtccgt gtgtgtgtac 240
tgctgatgtg tacagccgct tgttagcgct ctcatgtct tcaaatgtaa gtcattttgg 300
ctgggtgcgg tggctcatgc gtataatccc acgctttggg aggctgaggt gagctgatca 360
tttgagggtta ggagttcgag accagcctgg ccaacatggc aaaactccat ctctaccaa 420
aatacaaaaa ttagctgggt atggtagtgc acgcctgtaa tcccagctac ttggaatgct 480
gaagcaggag aattgcctga acccangagg cggaggttgc ggtgagccaa gatcacgcca 540
ctgcactcca acctgggtga cagagcaagg ctgtgtctca aa 582

<210> 368
<211> 530
<212> DNA
<213> Homo sapiens

<400> 368
acctgacttc aaactatact acgaggctac agtaatcaaa acagcatggg actagtacaa 60
aaacagacca atggaacaga atagagatct cagaaataaa actgcacatc tacaaccatc 120
tgatcttcaa caaacctgac aaaacgagca atggggaaag gattccctat ttaataaatg 180
gtgctgggag aactggctag ccatgtgcag aaaattgaaa ctggaccctc tccttacacc 240
ttatacaaaa attaactcaa gatggattaa agacttaa at gtagaacca aaacgataaa 300
aaccctagaa gaaaatctag gcaatatcat taaggacata gacatgggca aaaatttcat 360

gatgaaaaca tcaaaagcaa tggcaacaaa agcagaaact gacaaatggg cttctgcaca 420
gcaaaagaaa ctatcgtcag agtgaacaga caacctacag aatgggagac agtttttgca 480
atctatccat ctgacaaaag tctaatatcc agaatctaca aggaatttaa 530

<210> 369
<211> 653
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (596)..(596)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (621)..(621)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (634)..(634)
<223> n is a, c, g, or t

<400> 369
caaaaaacaa gaattacccg ggcttggtgg tgcagtgtctg tagtcctatc tactcaggag 60
gctgaggctg aaggatcact tgagcccagg agtttgaggc tgcagtgagt gagccatgat 120
catgccagtg tactccagcc ttggcagact gagcaaaact tgggtccctcg caaaatgttg 180
aagcccagtt ttcactatta acctgtatct cagtttcccc atgctaactt tgaaacactg 240
gggctggcct gaggggtataa aggcttattc aaactcagta atttaaactt aaaatcctaa 300
ggaacttcaa aaagtgtaat ctagtccaaa tggggcatca attctaaagc atttgcttgt 360
ttgagcagat tttctgtgtc tgaggtatat agataactta tctttttatg actaaatcca 420
agtccttagt tcctgttgga attcaaaatc atatttaaaa attgatgctt tgttctataa 480
ttaatgcttt gattgtataa ataataagta ttcttccaaa tcccttttta cagatgatga 540
ttctgatacc gagacgtcaa atgacttgcc aaaatttgca gatggaatca aggccngaaa 600

cagaaatcag aactacctgg ntcccagtc tgtncttaaa attctaactc gac

653

<210> 370
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (544)..(544)
<223> n is a, c, g, or t

<400> 370
gagggtgtag aagagaagaa gaaggaggtt cctgctgtgc canaaaccct taagaaaaag 60
cgaaggaatt tcgcagagct gaagatcaag cgcctgagaa agaagtttgc ccaaagatg 120
cttcgaaagg caaggaggaa gcttatctat gaaaaancaa agcactatca caaggaatat 180
aggcagatgt acaaanctga aattcgaatg gcgaggatgg caagaaaagc tggcaacttc 240
tatgtacctg cagaacccaa attggcgttt gtcatcagaa tcagaggtat caatggagtg 300
agcccaaagg ttcgaaagggt gttgcagctt cttegccttc gtcaaattctt caatggaacc 360
tttgtgaagc tcaacaaggc ttcgattaac atgctgagga ttgtagagcc atatattgca 420
tggtgggtacc ccaatctgaa gtcagtaaatt gaactaatct acaagcgtgg ttatggcaaa 480
atcaataaga agcgaattgc tttgacagat aacgctttga ttgctcgatc tcttggtaaa 540
tacngcatca tctgcatgga ggatttgatt catgagatct atactgttgg aaaac 595

<210> 371
 <211> 651
 <212> DNA
 <213> Homo sapiens

<400> 371
 catttccaga gtttatgtga attgaattga actatggttt tatgttactg tcagtagaat 60
 gaagtacgaa tatttgaaaa atacaccttc aacttcaaag tgattcttga caaaaattat 120
 aaggaatcat tttggacaca ttttctggta gaggccttgta aaaattaaaa ccaagtgttg 180
 ttttcaagaa gaactgtaat acataatcag gaatttgagt agggagatta ttttgttatt 240
 taaaattaaa gtggctgtgt agttttaact ttagtattgc aggtagagta agcttacatg 300
 ataacaaaaa tcttggtctt agtgacttaa tgattctgat atttattgat tgattggtta 360
 tcattccaaa tatttttaaaa gataatagct ggctgggtgc ggtggctcat gcctgtaatc 420
 ccagcacttt gggaggccag gacgggcgga tcacgaggtc aggagatcaa gaccatcctg 480
 gctaacacgg tgaaacccccg tctctactaa aaatcaaaaa attagccggg ttagtggtggc 540
 ggcacctgta gtcccagcta ctcaggaggc tgaggcagga gaatggcatg aacctgggag 600
 gcggagcttg cagtgagctg aaatcgtgcc actgcctcca cctggcgaca a 651

<210> 372
 <211> 531
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (243)..(243)
 <223> n is a, c, g, or t

<400> 372
 gtgaggtggg gacttcattc attgtcctat ttctatctcc actttgtgcc tggagagctt 60
 tcaggggagg tggaggagga gggctctgcca agctactgca acatctgtca ccactatac 120
 ccagttactt gggggaggac agacactgtg gtgtcattaa agttgtttga accaaagtgg 180
 cggctgcatac tttgtcccga tgctagccgt gccggtctcc catcatccgc tcgccctcct 240

ttncctggg ctgcgccac ttgtcttct ggatatttgg gggtgactcg ccatgcttgg	300
cacctctgc ttcttggtgc tgctctgact cgaagacggg acagtccttg gtgcacatcc	360
aggaagagg agtgtcggta gttcttgac taggcacttt atcaggacct gacctgttgc	420
tgggtgattt tagtctctac aaacagaaag cgtttcaaag cgtcagctgt gggagcagag	480
tgaccctttg ctgatgctgg ggggagggga tctaaatcct ctttatctc t	531

<210> 373
 <211> 602
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (232)..(232)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (577)..(577)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (589)..(589)
 <223> n is a, c, g, or t

<400> 373	
ggcgctgct ggaggaggag agagctctgc tggcatgagc cacagtttct tgactggagg	60
ccatcaacc tcttggttga ggccttggtc tgagccctga catgtgcttg ggcactggtg	120
ggcctgggct tctgaggtgg cctcctgccc tgatcagggg ccctccccgc tttcctgggc	180
ctctcagttg aacaaagcag caaaacaaag gcagttttat atgaaagatt anaagcctgg	240
aataatcagg ctttttaaata gatgtaattc cactgtaat agcataggga ttttggaagc	300
agctgctggg ggcttgggac atcagtgggg ccaagggttc tctgtccctg gttcaactgt	360
gatttggtt tcccggtgtc ttcttggtga tgccttggtt ggggttctgt gggtttgggt	420
gggaagaggg ccatctgcct gaatgtaacc tgctagctct ccgaagccct gcgggcctgc	480
ttgtgtgaac cgtgtggaca gtggtggccg cgctgtgcct gctcgtgttg cctacatgtc	540

cctggctgtt gaggegtgc tttaacctgc acccctncct tgctcatana tgctcctttt 600
ga 602

<210> 374
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<400> 374
tttgagacca gcctagccaa catggtgaaa ccccatctct actaaaaata caaaaattag 60
ccgggcgtgg cggcacatgc ctataatccc acttacttgg gaggctgang taggagaatc 120
gcttgaaccc ananaggcag agtttgcagt gagccgagat tgtgccattg cactccagcc 180
tgggcgacag agcgagactc catctaaan aaaataaatg aataaaataa 230

<210> 375
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```

<222> (1)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (25)..(25)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```

<222> (289)..(289)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (291)..(291)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (322)..(322)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (330)..(330)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (338)..(338)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (349)..(349)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (373)..(373)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (379)..(379)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (381)..(381)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (386)..(386)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature

<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

<400> 375
nncagatttt tttttttttt tcagngtttag accatctttc aattcctgga acaaacttaa 60
ctttccatga tatgtatttt ttatacattg ctggatttta ttgctaata ttttacttag 120
gatttaattt tctaagtnga cctataattn tcctgtataa aattgcattt gtcacatttt 180
agtatcaagg ttgtcctanc nccatgaaat ggatttanaa tggtttatgt aanataaagt 240
acatttcttc taaaggtttg ngtggtattaa ctttcaaadc tgccanagng ngtttttttc 300
cttttttttt ttttttcatt tnaagggagn gcaagtanc tttcaaadc tgatttaatt 360

tttaaaatat ttncaagtnt ntttanagtt tttatttntt ntngaangtt aacattttta	420
tanaaaangg tnttatcttt ttaaattctt tgacatcagt ttcttcanaa ttccttcttt	480
taa	483

<210> 376
 <211> 538
 <212> DNA
 <213> Homo sapiens

<400> 376	
gtcatatctc ttcccaggga aagcaggagc ctttctggag cccttcagca gggtcagggc	60
ccctcgtctt cccctccttt ccagagcca tcttcccagt ccaccatccc catcgtgggc	120
attgttgctg gcctggctgt cctagcagtt gtggatcatg gagctgtggg cgctactgtg	180
atgtgtagga ggaagagctc aggtagggaa ggggtgaggg gtggggctctg ggttttcttg	240
tcccactggg ggtttcaagc ccaggtaga agtgttccct gcctcattac tgggaagcag	300
catccacaca ggggctaacg cagcctggga ccctgtgtgc cagcacttac tcttttgtgc	360
agcacatgtg acaatgaagg acggatgtat caccttgatg gttgtgggtg tggggctctg	420
atttcagcat tcatgagtca ggggaaggtc cctgctaagg acagacctta ggagggcagt	480
tgggccagga cccacacttg ctttcctcgt gtttcctgat cctgccttgg gtctgtag	538

<210> 377
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 377	
tggccatcct tttccccca aacacacccc cttaacctat ctcttgggac ttagcccgac	60
cctccctctc atttccatt aagtctgaga ggcaagagct aggttaggca aggaggtggg	120
tggccagaga tggggaacag ccaggtgcc cagtcctctg atttttctc catcctgctt	180
accacctccc tgggtactta cagccttctc ttgggaacag ccggggccag gactgggtca	240
cctatgagct gaatcagcat ctctcctga gtcccagggc ccctgcagtt ccagctctct	300
tctgtcctgc agcccttgcc tctttccac aggttccact ttatatccac cttttccttt	360

tggtcaattt ttatttttat tttttttatt attaatgat gtggtctatg gaaaaaaaaa 420
 taaaaatctg acttagtttt 440

<210> 378
 <211> 513
 <212> DNA
 <213> Homo sapiens

<400> 378
 ggaaccagtg gtattacctg ctggaaccaa ggaaactaac aatgtaggtt actagtgaat 60
 accccaatgg tttctccaat tatgcccata ccacaaaac aataaaacaa aattctctaa 120
 cactgcaaag agtgagccat gcctgttaac actgtaaaga atgtaacatg tgggggacac 180
 acaggggcag atgggatggg ttagtttagg attttattag tgcatgccct accctctggg 240
 ggaacgtccc atctgaggtt ttcttctcgg tggggggatt taacttctgt cctagggaaa 300
 acagtgtctg atgaggagtg tttccaacac aggtacatg aattccccta taccagtgcg 360
 aaagcagcca ggagtccccg ttggaaaaga acaatgccac tctcttttat gtatcttggt 420
 tctgcaactc atttggtgta agtaggggta atcgagtatc aggttcacag tatectgccc 480
 ttattatttt atgattcact gactcaagtt cca 513

<210> 379
 <211> 646
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (485)..(485)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (503)..(503)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (570)..(570)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (598)..(598)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (605)..(605)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (613)..(613)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (642)..(642)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (645)..(645)

<223> n is a, c, g, or t

<400> 379
gagagtgaaa aaattctggt acaaattggg aaattagtat ataacaacat agtgttaaat 60
tcaatgggaa aagtttaata agaggatttg gtatcaactg gctgtccaaa gataaaaatg 120
gaccgtccta tcacatacaa aattgttttt tagataaaga tttaaataca ggcaactcctt 180
catttgctg gtgcaccttg aggtgttgca gaaatgatga gagctgaaac tgcaaagcaa 240
ttttaataact ttatctgttg gaaatcttat agttttcctg tgaccgttaa aattttcatt 300
aaactattaa aaacacccat gactgggtcac aaatgtattg ggaaatggaa aagaattaat 360
aactaaaaa tacaaaaaat agaaaatatt taaaattatc taaaatttg aaacattaga 420
aaaattgaga actaggcagg gcgtggtggc tcacatctgt aatttttagcc ctttgggagg 480
ctgangcagg tggatcacct gangtcagga gttcgagacc agcctgcaa cgtggggaaa 540
ccccgtctct actgaaaata caaaaattan ccgggcatgg tggcacaagc ctgtaatnct 600
tgctnaccag gangctgagg caggagaatc acttgaaccc angang 646

<210> 380
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(273)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (285)..(285)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (303)..(303)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (315)..(315)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (317)..(317)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (346)..(346)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (355)..(356)

<223> n is a, c, g, or t

<400> 380
gtttcacatg agaaggtagt attatgtaca gtgacctgtg tttaaagtgtc ngtttaaatgt 60
taccactaag gccctgcccc agctttatca cctgagcact aacaagtgtc gtgtggagtt 120
cagtccatgc tggtaactnt tgagtattca gtgggtcttt taacaattac caccgtggag 180
gananagcaa ggaagagaaa tgctgtgatc ttttctgtt tttaattagn gaaagaggga 240
ttanattaaa caaatgttac agagntgtga ctntgatccc ccagnggtaa gcaataattg 300
tanagactgg atttnanaag ccctgagagt ttattttcaa cctatntatt atagnncaat 360
cc 362

<210> 381

<211> 80

<212> DNA
<213> Homo sapiens

<400> 381
acaaggcttg ggggctggac tccctctact gcctctggcc atacccctc ctggagatgg 60
ggtcaaggca ccaggactga 80

<210> 382
<211> 435
<212> DNA
<213> Homo sapiens

<400> 382
tcgcttgtaa agcctgagac agctgcctgt gtgggactga gatgcaggat ttcttcacac 60
ctctcctttg tgacttcaag agcctctggc atctctttct gcaaaggcat ctgaatgtgt 120
ctgcgttcct gttagcataa tgtgaggagg tggagagaca gcccaccccc gtgtccaccg 180
tgaccctgt cccacactg acctgtgttc cctccccgat catctttcct gttccagaga 240
agtgggctgg atgtctccat ctctgtctca acttcatggg gogctgagct gcaacttctt 300
acttcctaa tgaagttaag aacctgaata taaatttggt ttctcaaata ttgctatga 360
agggttgatg gattaattaa ataagtcaat tcctggaagt tgagagagca aataaagacc 420
tgagaacctt ccaga 435

<210> 383
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (10)..(10)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (571)..(571)
<223> n is a, c, g, or t

<400> 383
ngatatagtn ccgcatggga aagatganca ggtataaccn agcntnatat agcaaggact

60

aacccccctg ctttctgcat aatgaattaa ctagaaataa cttngcaagg agagccaaag	120
ctaagacccc ngaaaccaga cgagctacct aagaacagnt aaaagagcac acccgtctat	180
gtagcaaaat agtgggaaga tttataggta gaggcgacaa acctaccgag cctggtgata	240
gctgggtgtc caagatagaa tcttagttca actttaaaatt ngcccacaga accctctaaa	300
tccccttgta aatttaactg ttagtccaaa gaggaacagc tctttggaca ctaggaaaaa	360
accttgtaga gagagtaaaa aatttaacac ccatagtagg cctaaaagca gccaccaatt	420
aagaaagcgt tcaagctcaa caccactac ctaaaaaatc ccaaacatat aactgaactc	480
ctnacacca attggaccaa tctatcacc tatagaagaa ctaatgtag tataagtaac	540
atgaaaacat tctcctccgc ataagcctgc n	571

<210> 384
 <211> 689
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (340)..(340)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (431)..(431)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (567)..(567)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (593)..(593)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (634)..(634)
 <223> n is a, c, g, or t

```

<400> 384
gggaggcgga ggctgcagtg agctgagatc gtgccacttc attccagcct gggcaacaaa      60
gcgaaactct gtctcaaaaa aaaaaaaaaa aaaaatttgt tgactgttgt aatttaaagc      120
ttgtcatttt ttatttagta ataacactca ttagtgtagt atctatgatg aaccagggtc      180
tgcacaaagt accttatgtt catggcctca tatcgtcttc tccaaaactc tgcaagatag      240
gattcatcac cacttatagg gagagatctg aaagttaa aaattgtacca aggtcacaca      300
gctggttaagt gccagagctg ggattccgta ggggtgttcan agtgcctctc ctgccgtagg      360
cttatcacia aaagtcaaag tttggtcata ataaagcctg aagtttggca ggatttaaaa      420
atagtcacca nacttttgag ttggagcatc ccacctcact gctgttcacc ttctgtggca      480
gggagagtca tcatttccat ttcagcttgt ggaatatctt gtcattaaca ttctcatgca      540
aaagccattt tatggtgccc aatgaanatg gttaagctac tgccccaagc cnttggaagc      600
cttcctaatt ttggacttgc actatgcaaa ttgnataata ttttctctac cctaagccaa      660
atattttctt cacttttcat tcattctac                                         689

```

```

<210> 385
<211> 542
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

```

```

<400> 385
cgccgcccgc cgcgcgtcgc tctccaacgc cagcgccgcc tctcgctcgc cgagctccag      60
ccgaaggaga aggggggtaa gtaaggaggt ctctgtacca tggctcgtac aaagcagact      120
gcccgc aaat cgaccggtgg taaagcacc aggaagcaac tggctacaaa agccgctcgc      180
aagagtgcgc cctctactgg aggggtgaag aaacctcatc gttacaggcc tgggtactgtg      240
gcgctccgtg aaattagacg ttatcagaag tccactgaac ttctgattcg caaacttccc      300
ttccagcgtc tgggtgcgaga aattgctcag gactttaaaa cagatctgcg cttccagagc      360

```

gcanctatcg gtgctttgca ggaggcaagt gaggcctatc tggttggcct ttttgaagac	420
accaacctgt gtgctatcca tgccaaacgt gtaacaatta tgccaaaaga catccagcta	480
gcacgccgca tacgtggaga acgtgcttaa gaatccacta tgatgggaaa catttcattc	540
tc	542

<210> 386
 <211> 198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (71)..(72)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (190)..(190)
 <223> n is a, c, g, or t

<400> 386	
gcgcgtcgac tttgtttaga cattgaatga ctttgttaaa ggcacaatta atcacattgg	60
ttgtactctg nngacagcct tcttttaaaaa aaaaataaac aattttaaac aaaaaaaaaa	120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	180
aaaaaaaaaan ttttaacc	198

<210> 387
 <211> 198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (71)..(72)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (190)..(190)

<223> n is a, c, g, or t

<400> 387
gcgcgctcgac tttgttttaga cattgaatga ctttgttaaa ggcacaatta atcacattgg 60
ttgtactctg nngacagcct tctttaaaaa aaaaataaac aattttaaac aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaan ttttaacc 198

<210> 388
<211> 561
<212> DNA
<213> Homo sapiens

<400> 388
tgcattgcttg tggattggaa aaactttgga gactgattac ttttcattat atatgtgtca 60
cagtgaaca gcttttatgt gtcattgaag attactgctt gcctctctaa ggaaggctgt 120
gactgtttta atagacgggc aagggtggaac cttttgaaag atgagctttt gaataaagt 180
tgtctgctag atcatggttt gtattgaact aacaaggttt gcagatctgc tgacttatat 240
aaagcttttt gattcctact aagctttaag atttaaaaaa tggtcaatgt tgaaatttct 300
gtggggctct atttttgctt tggctttctg gtgagagagt gaggaagcat tctttccttc 360
actaagtttg tctttcttgt cttctggata gattgatttt aagagactaa gggaatttac 420
aaactaaaga ttttagtcat ctggtggaaa aggagacttt aagattgttt agggctgggc 480
ggggtgactc acatctgtaa tcccagcact ttgggaggcc aaggcaggca gaacacttga 540
aggagttcaa gaccagcgtg g 561

<210> 389
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (10)..(10)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (16)..(20)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (25)..(25)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (35)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

```

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

```

<220>
 <221> misc_feature
 <222> (168)..(168)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (170)..(170)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (176)..(176)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (187)..(187)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (189)..(189)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (192)..(193)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (196)..(196)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (198)..(198)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (201)..(201)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (212)..(212)
 <223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (275)..(275)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (278)..(279)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (283)..(283)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (290)..(290)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (302)..(303)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (305)..(306)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (309)..(309)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (321)..(322)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (325)..(325)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (327)..(329)
 <223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(408)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(412)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (417)..(421)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (426)..(426)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (430)..(433)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (435)..(435)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (444)..(444)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (446)..(447)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (451)..(451)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (454)..(454)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (457)..(457)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (459)..(460)
 <223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(472)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (480)..(480)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (489)..(490)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (499)..(499)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (505)..(505)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (507)..(507)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (513)..(515)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (517)..(517)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (529)..(532)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (536)..(538)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (544)..(544)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (546)..(546)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (548)..(549)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (555)..(555)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (568)..(568)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (570)..(571)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (576)..(576)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (578)..(578)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (582)..(585)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (589)..(589)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (595)..(598)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (600)..(601)
 <223> n is a, c, g, or t

<400> 389
 ttgncggtn ttggannnnn anaantttct tccanncntn acntnttggt ggnctaaatt 60
 aanatggntt tngnggggtc nttncntnnt nnnncatggg ananaattna ttntcntncn 120
 nnttccttnn cctnaanct accttcccc nattttctcc cctnttcntn aattancatc 180
 ctctccnct anntcnanac nttaatggca anactatcta atancnanna taanancctc 240
 tgtnnnccac atntcttatt nnncgcnnc ngttncannc ccncagagtn aactcatcct 300
 cnncnnaant tcatatcgtg nnctntnnnc nntngcgoga natattaann anaccngtan 360
 ntnnnanaca nnanntnngn aanaancctt ctnanntttt agcntcnngc nntaacnnnn 420
 ntcttngtgn nnnncagct ttncnncat natnctncnn cgaantntca nncntctccn 480
 cttnaatggn ttcccatgna ttaantncct cgnnnanagc actatcgtnn nngagnnnat 540
 tatngncnnt ttacntcatg tgggtccantn ncgttngncg cnnnnaatnt tcgtnnnncn 600

n

601

<210> 390
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<400> 390
ggattttaga ggaaggcgct nggttacatt ggagaactgg agtgggtctgg agttccacgg 60
tgtagtggac cagaggccac ctctcctggg cttctcagtg tctcgccggc ggggttcggc 120
ctgagctgga ttgacatagc ccttggcgga tttaaacaac ctaaacatta agcagtacag 180
ctgcctcaaa cctttgggat tttcagaatg actgacactg ccgaagctgt tccaaagttt 240
gaagagatgt ttgctagtag attcacagaa aatgacaagg agtatcagga atacctgaaa 300
cgccctcctg agtctcctcc aattgttgag gaatggaata gcanagctgg tgggaaccaa 360
agaaacagag gcaatcggtt gcaagacaac agacagttca gaggcaggga caacagatgg 420
gggtggccaa gtgacaatcg atccaatcag tggcatggac gatcctgggg taacaactac 480
ccgcaacaca gacaagaacc ttactatccc cagcaatatg gacattatgg ttacaaccag 540
cggcctcctt acggttacta ctgatagaaa tggtggcagc ttttagtaaa agcatttact 600
ctgttaccat gagaaa 616

<210> 391
<211> 407
<212> DNA
<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)..(1)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

```

<220>
 <221> misc_feature
 <222> (406)..(406)
 <223> n is a, c, g, or t

<400> 391
 ngactggctc ccgaaaagaa ggggtggcgag aanaaaaagg gccgttctgc catggacgaa 60
 gtggtaaccc gcgaatacac catcaacatt nacaagcgca tccatggagt gggcttcaag 120
 aancgtgcac ctctgggcact caaagagatt cggaaatttg ccatgaagga gatgggaact 180
 ccatatgtgc gcattgacac caggctcaac aaanctgtct gggccaaagg aataaggaat 240
 gtgccatacc gaatccgtgt gcggctgtcc anaaaacgta atgaggatga agattcacca 300
 aataagctnt atactttggg tacctatgta cctgtttacca ctttcaaaaa tctacagaca 360
 gtcaatgtgg atganaacna atcgctgatc gtcagatcaa anaaant 407

<210> 392
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 392
 cagcactgcc agtggagatg ggcgtcacta ctgctaccct catttcacct gcgctgtgga 60
 cactgagaac atccgccgtg tgttcaacga ctgccgtgac atcattcagc gcatgcacct 120
 tcgtcagtac gagctgctct aagaagggaa cccccaatt taattaaagc ctttaagcaca 180
 attaattaaa agtgaaacgt aattgtacaa gcagttaatc acccaccata gggcatgatt 240
 aacaaagcaa cttttccctt cccccgagtg attttgcgaa accccctttt cccttcagct 300
 tgcttagatg ttccaaattt agaaagctta aggcggccta cagaaaaagg aaaaaaggcc 360
 acaaaagttc cctctcactt tcagtaaaaa taaataaaaac agcagcagca acaaaataaa 420
 atgaaataaa agaaacaaat gaaataaata ttgtgttgtg cagcattaaa aaaaatcaaa 480
 ataaaaatta aatgtgagca aag 503

<210> 393
 <211> 587
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (562)..(562)
 <223> n is a, c, g, or t

<400> 393
 tgaaaaataa agtttttatg tatattctac atatgtatat gttggtagaa agcaaaaacg 60
 ctaggtaaaa ataaatgtaa tacaatttta gctatgaacc aaaaaaccat ttgtgggtgtg 120
 gatgcaagaa agtctggatg ggtgcagagt tctccatggt tcacttctga catttgaaaa 180
 tacgcagttt gcatttgata cgtcaaagt tatttttaag aaaaccaata aaatcattaa 240
 aaccgaaaag gcagttttgc ttgtttttac cttagttgga gttatctgca attgccgtat 300
 tagtgtttta aggaacttgt aagtaagctc cttagtcccc tttagagcta cgaaacatgt 360
 caattttact tttctccagc tttttggaat cttatctaaa ttaccatgta gagttctgca 420
 tagcttcaaa ttctcttagc caatgtggtc tgtaagtgtc tatcgatgaa tttcacggtt 480
 aattgccgta gtatactgtc ctgtaccgga tgtgaagagg agcaactctg cacagtgcac 540
 tggttgctcc catggttaga angaatggct tatcaatggc cggattt 587

<210> 394
 <211> 650
 <212> DNA
 <213> Homo sapiens

<400> 394
 ggaggatgga gcagtgagcg ggtctgggcg gctgctggca gcgccatgga gacgggtacag 60
 ctgaggaacc cgccgcgccg gcagctgaaa aagttggatg aagatagttt aaccaaacia 120
 ccagaagaag tatttgatgt cttagagaaa cttggagaag ggtgagtgt aagaaactat 180
 aggtaggtca ttgggtccca gtctttttcc tgccccagaa gaagcagaag gatatgaacc 240
 tttcagcatt gttctaggtg ggggtggaagg taaatttaca gcttggtgatg tccttcttcg 300
 ctttactcca atccctatta tagacagatt tagtgattcc tgggtcttttt aacacgaaga 360
 atatctattg ttttctcttt tgtaggatct gtatgatttt atctacttaa cagatagcac 420
 taattagatt aaaattctat aagaaacttt ttaatttgct gttcataatt tctgattggc 480

atgcaataac tgtttcaatg aaaatcaatg taatttagta ttttaatat tgcacctttg	540
tgaaatatag taaataaatt aagcactatc accaccttca cagctactta ggagatccac	600
aatcctgggt tgggagccag tggatttcct gaaacacaga tttgttaatg	650

<210> 395
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 395	
ctcaagtga tcttggttc ttggaagcgc ttgcctagac gagacacagt gcataaaaac	60
aacttttggg ggacaggtat gttttcttgc agctgcggtt gtaaggctt ggcaagacaa	120
gcagtgtggc cagaattttg aacttctgat gaatgtgtaa tgcaaaggac cttgtacatt	180
tttttgtttc aaggtcctca aaatgagcac atgaagaggt tgctgtgaaa ctttaagtgg	240
ccctactgcg cagaagcatt cagatgtcac ttgatgatct gtaagggaac ttgctgattt	300
gggaatgtgc ttagggaaca cacattcctt ttgacagggt ctgtcactgg gtgggtgatg	360
aattatacag atgacatgtg cttttttttc ttttttcaac ctcaatggta ttctacagg	420
aaatggataa ccattttaac tgtatttttt gcagcccgtc ctttcttggg aatacaattg	480
tctaactttt tatttttggg ct	502

<210> 396
 <211> 648
 <212> DNA
 <213> Homo sapiens

<400> 396	
ccacaataat aagagaaaaa caggagcaaa aggatataca aaaccaccag aaaacaaata	60
acaaagtgc aggagtaagt ccttaactgg caataataac catgaatcta aatggattcc	120
atttcccact taaaagataa agacatgctg aatggataaa aagctgtcac ccagttatat	180
gctgcctaca acaaactcac ttcacctgta aacatacata tggatggaaa gagaaggcat	240
gggaaaagat actctactca aatgaaaaca aaaaccaaac aaagggtggct attcttatat	300
gagataatac agacattaaa tcaaaaactg gaaacaaaca caaagtcatt gtataatgat	360

gaattcaatt atatcatgat gaattcaatt ataccctcct tcctgatcaa ttcagaaagg	420
aggatataat cttttttaa atatatcac ccaacaccag agcatataaa tatgtaaagg	480
aagataaagg gagtcctgtg atcaagaata aatataacaa ttataaatat tttatctaaa	540
gtgatagata gactgtaata caataatagg gtggtgacat taacaccccc tctcacattg	600
gactgatcat ctagaaggga gaaaaagctt tatgattgga aaagccat	648

<210> 397
 <211> 705
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (668)..(668)
 <223> n is a, c, g, or t

<400> 397	
attgtgttgg ccacccggga attcgcggcc gcgtcgacct acgcacacga gaacatgcct	60
ctcgcaaagg atctccttca tccctctcca gaagaggaga agaggaaaca caagaagaaa	120
cgcttggtgc agagcccca ttcctacttc atggatgtga aatgcccagg tgaggagacg	180
gcttgctgta gtggggaaag cactggacct caacagttgg aaaatgttgt agtgttagct	240
gtctcgtatc cttgaagctg tgcagcagct tcagtttctt cgctgtgga aaatattttc	300
cctgatactc ttaaaatttg aatgtatgag actggcaaag ttttgcattc taggaggagt	360
gattcatttc accgtgatct ctcatcacat ttcacataca acccctacgt ttttttgtgt	420
tgggaaacaa tgtaatggat gatgagttgg gcataagtgc aggaaagacg ggtgtaatag	480
aggaaaaaaa tggtatctgc ttttctttca ggatgctata aaatcaccac ggtctttagc	540
catgcacaaa cggtagtgtt gtgtgttggc tgctccactg tcctctgcca gcctacagga	600
ggaaaagcaa ggcttacaga aggatgttcc ttcaggagga agcagcacta aaagcactct	660
gagtcaanat gagggggaaa ccattctaat aaacacattt tggat	705

<210> 398

<211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (597)..(597)
 <223> n is a, c, g, or t

<400> 398
 cttttcctcc cgctgtcccc caaggaggagg gactgctctc ccccgctgca tcctttctgt 60
 gaggtacctt acccacctca gcacctgaga gggtgaaata gaattctaac ctcgacattc 120
 ggggaagtgtt ttgagaagt ctcggtcggg aagggaagtc ttccaagtcc gtgcagcact 180
 aacgtattgg cacctgcctc ctcttcggcc accccccaga tgaggcagct gtgactgtgt 240
 caaggaagc cacgactctg accatagtct tctctcagct tccactgccg tctccacagg 300
 aaaccagaa gttctgtgaa caagtccatg ctgccatcaa ggcatttatt gcagtgtact 360
 atttgcttcc aaaggatcag gccctgagaa caatgacctt atttcctaca acagtgtctg 420
 gggtgcgtgc cagcagatgc ctcagatacc aagagataac aaagctgcag ctcttttgat 480
 gctgaccaag aatgtggatt ttgtgaagga tgcacatgaa gaaatggagc aggctgtgga 540
 agaatgtgac cttactctg gcctcttgaa tgatactgag gagaacaact ctgacancca 600
 caatcatgag gatgatgtgt tg 622

<210> 399
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 399
 cgccacttat ccagtgaacc actatcacga aaaaaactct acctctctat actaatctcc 60
 ctacaaatct ccttaattat aacattcaca gccacagAAC taatcatatt aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 155

<210> 400
 <211> 700
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (13)..(13)

<223> n is a, c, g, or t

<400> 400

```
cattgtgttg gcncccgga attcgcgcc gcgtcgactt tttgtgttgt ttggagcaga      60
aataactaaag aagattccgg gccgagtatc cacagaagtg gacgcaaggc tctcctttga    120
taaagatgcg atggtggcca gagccaggcg gctcatcgag ctctacaagg aagctgggat     180
cagcaaggac cgaattctta taaagctgtc atcaacctgg gaaggaattc aggctggaaa     240
ggagctcgag gagcagcacg gcatccactg caacatgacg ttactcttct ccttcgcccc     300
ggctgtggcc tgtgccgagg cgggtgtgac cctcatctcc ccatttggtg ggcgcaccc     360
tgattggcat gtggcaaaca ccgacaagaa atcctatgag cccctggaag accctggggg     420
aaagagtgtc actaaaatct acaactacta caagaagttt agctacaaaa ccattgtcat     480
gggcgcctcc ttccgcaaca cgggcgagat caaagcactg gccggctgtg acttcctcac     540
catctcacc cagctcctgg gagagctgct gcaggacaac gccaagctgg tgcctgtgct     600
ctcagccaag gcggcccaag ccagtgcctt ggaaaaaatc cacctggatg agaagtcttt     660
ccgttggttg cacaacgagg accagatggc tgtggagaag                          700
```

<210> 401

<211> 479

<212> DNA

<213> Homo sapiens

<400> 401

```
cgtggcagcc atctccttct cggcatcatg gccgccctca gacccttgt gaagcccaag      60
atcgtcaaaa agagaaccaa gaagttcatc cggcaccagt cagaccgata tgtcaaaatt     120
aagcgtaact ggcggaaacc cagaggcatt gacaacaggg ttcgtagaag attcaagggc     180
cagatcttga tgcccaacat tggttatgga agcaacaaaa aaacaaagca catgctgccc     240
agtggcttcc ggaagttcct ggtccacaac gtcaaggagc tggaagtgct gctgatgtgc     300
```

aacaaatctt actgtgccga gatcgctcac aatgtttcct ccaagaaccg caaagccatc	360
gtggaaagag ctgcccact ggccatcaga gtcaccaacc ccaatgccag gctgcgag	420
gaagaaaatg agtaggcagc tcatgtgcac gttttctgtt taaataaatg taaaaactg	479

<210> 402
 <211> 628
 <212> DNA
 <213> Homo sapiens

<400> 402	
ctttgattac ctttgagtat taggttgaaa gtttctctgt gcttgattga acattgtgat	60
gatgttgatt gggtcatgtc agatttagac agtgttggtt ttaagataaa tgtttaatgg	120
ctcttagcag tgttcatgcc tccccttttc cctgatact ttaaaaacag aatatacaga	180
aaaggggagt tgggtgaaga atcaccatat tctcattacc agagtagtgt ctaccagctg	240
ttttcacatt tttctgtttc cttctgtcct tggaatcctt tttttagatc cttgtaatac	300
tagtaaagat attccactct gtgttgtaag catttttcca ttttgctcca tggctctcat	360
aatgccctgt ggtcctttat taaggggatg caccatgtag aggtgaaagg ctttccttga	420
cttggccacc atttctgtat tttccttaga ggaggagggt tccaacattt cttttttaga	480
gacagagtct cgttctgaca cgcaggcagg agtgcagtgg catgataaca gctcactgca	540
gcctcgaact cctgggctca agttatcctc ccacctcagc ttcttgagta gctaggactg	600
caggtgcctg ccaccacacc cagcta	628

<210> 403
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 403	
cagccctccg tcacctcttc accgcaccct cggactgccc caaggccccc gccgccgcct	60
ccagcgccgc gcagccaccg ccgccgccgc cgcctctcct tagtcgccgc catgacgacc	120
gcgtccacct cgcaggtgcg ccagaactac caccaggact cagaggccgc catcaaccgc	180
cagatcaacc tggagctcta cgcctcctac gtttacctgt ccatgtctta ctactttgac	240

cgcgatgatg tggctttgaa gaactttgcc aaatactttc ttcaccaatc tcatgaggag	300
aggggaacat gctgagaaac tgatgaagct gcagaaccaa cgagggtggc cgaatcttcc	360
ttcaggatat caagaaacca gactgtgatg actgggagag cgggctgaat gcaatggagt	420
gtgcattaca tttggaaaaa aatgtgaatc agtcactact ggaactgcac aaactggcca	480
ctgacaaaaa tgac	494

<210> 404
 <211> 599
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (28)..(28)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (299)..(299)
 <223> n is a, c, g, or t

<400> 404	
gggagacaag cccagccttt cggcgagnat acgtctaacc ctgtgcaaca gccactacat	60
tacttcaaac tgagatcctt ccttttgagg gagcaagtcc ttccctttca ttttttccag	120
tcttcctccc tgtgtattca ttctcatgat tattatttta gtggggggcgg ggtgggaaag	180
attacttttt ctttatgtgt ttgacgggaa acaaaactag gtaaaatcta cagtacacca	240
caagggtcac aatactgttg tgcgcacatc gcggtagggc gtggaaaggg gcaggccana	300
gctaccgcga gagttctcag aatcatgctg agagagctgg aggcacccat gccatctcaa	360
cctcttcccc gcccgtttta caaaggggga ggctaaagcc cagagacagc ttgatcaaag	420
gcacacagca agtcagggtt ggagcagtag ctggaggggac cttgtctccc agctcagggc	480
tctttcctcc acaccattca ggtctttctt tccgaggccc ctgtctcagg gtgaggtgct	540
tgagtctcca acggcaaggg aacaagtact tcttgatacc tgggatactg tgcccagag	599

<210> 405

<211> 610
<212> DNA
<213> Homo sapiens

<400> 405
gggagacaag cccagccttt cggcgagata cgtctaaccc tgtgcaacag ccactacatt 60
acttcaaact gagatccttc cttttgaggg agcaagtcct tccctttcat tttttccagt 120
cttcctccct gtgtattcat tctcatgatt attattttag tgggggcggg gtgggaaaga 180
ttactttttc tttatgtgtt tgacgggaaa caaaactagg taaaatctac agtacaccac 240
aagggtcaca atactgttgt gcgcacatcg cggtagggcg tggaaagggg caggccagag 300
ctacccgcag agttctcaga atcatgctga gagagctgga ggcacccatg ccatctcaac 360
ctcttccccg cccgttttac aaagggggag gctaaagccc agagacagct tgatcaaagg 420
cacacagcaa gtcaggggtg gagcagtagc tggagggacc ttgtctccca gctcagggct 480
ctttcctcca caccattcag gtctttcttt ccgaggcccc tgtctcaggg tgaggtgctt 540
gagtctccaa cggcaaggga acaagtactt cttgatacct gggatactgt gccagagacc 600
tcgaggaggt 610

<210> 406
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)..(25)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (406)..(406)
 <223> n is a, c, g, or t

<400> 406
 gtttaaattt gacaaactaa agctnatnac tgctataaga gtaataactg ctcattttcc 60
 ataactcatt cttaaagttt tagtaatgta aaagttattt ttttgcagta agttataatg 120
 atagaagctt acatgttttt tcatgcctca tctgtttccc cttaaaacta taattatcag 180
 taaagtcctg tgggtattttt caatttgtaa gaaactaggc tatatataca ttgggaaaaa 240
 cagccttcat ttgtcaatgc actagtgttc caaaggtttc tggtaattgt gtgctattgc 300
 tttttgttga cttgcaaaaa aaaaaaaaaa aaaattacta tgacttgngg tagccctgca 360
 accttcggaa gtgcttagcc cagtctgacc atacatttat atttanaatg cttaggtaaa 420
 taaataatat gcctaaaccc aatgctataa gatactatat aatatctcat aattttaaaa 480
 atcactgttt tgtataataa taaaacaagg caggcaagct gttctacaat gactgttggt 540
 aagggtgctg aggaagaaaa acaacaatc ttgattcagg gatagtgaat agacaaaaaa 600
 tgtcctaatc aatgaagctg tgtgatgatt ctgattgaca gaga 644

<210> 407
 <211> 653
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (637)..(637)
 <223> n is a, c, g, or t

<400> 407
 gtgcaaagtg ttatatccac tttcaacaaa gagagaagct gaaaagctaa cccaatgtta 60
 attttggatc acacacattc agtgtagact ttaagatttt acttctgttg gagtagctat 120
 attatttcta gttaaaaaac tctctatata catatttatt tgtttttcta cttgtttaat 180
 atttttctct tccaattagg aactcaatat ggaataaaaa atatttaa atgtattttact 240
 caaacgtgtg tgtatatatg tttgtgtgca tgataaggag agtgagagca agagtaagag 300

agagagagca cgcatagatg gaagcacaca tttaatgtct atgaaatgag aaaacattaa	360
ggctaagata tttttccttc tgaactagca gattgtatca atggctgggc acttaaatta	420
atcagtttgt aaagatattt aaaaggtatg tctaccttct tgcaattaat ttgattatgt	480
tctaattggca tggcaagaga aatgaaagaa gataactaaa agttaaaagt cgttgcatgt	540
ttttgttgca gcataccctt ctttcaggct accgaataac cttgattgac attggattag	600
tagtagaata cctcattggg agagcatatc gcagcancta cactagaaaa cat	653

<210> 408
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 408	
gtctggaact ccagacctca ggtgataccc ctgcctcagc ctcccaatgt gctgggatta	60
cagctgtgaa gccaccgcgc ccggctgctg tgatagttga gatgtaaacc aaaaataaaa	120
ttctaagcca cccaatccga ctgaatggac ccttcctgtt gagcaaggac attccaaagt	180
aaactgaaaa gaccagctta ggccatgatg ggaaggggag gtgtcaacat gcctcattct	240
accttcctcc ctctggaatc cagacacaac tgaccagcat taacattaaa acagagatct	300
taagctgggc acggtggctc atgcctgtaa tcccagcact ttgggaggcc aaggtgggat	360
cacctgaggt cggaagttca agaccagcct ggccggtatg gtgaagccat gtctctactg	420
aaaatgcaaa attggccgga cattgtggtg ca	452

<210> 409
 <211> 900
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)..(2)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (4)..(4)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (16)..(16)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (116)..(116)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (119)..(119)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (129)..(129)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (134)..(134)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (137)..(137)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (150)..(150)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (165)..(165)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (190)..(190)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (192)..(192)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (197)..(197)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (203)..(203)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (209)..(209)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (211)..(211)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (214)..(214)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (220)..(220)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (224)..(225)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (234)..(235)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (241)..(241)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (245)..(245)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (248)..(248)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (250)..(252)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (262)..(262)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (264)..(266)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (287)..(287)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (289)..(290)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (295)..(295)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (301)..(301)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (306)..(306)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (309)..(309)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (311)..(311)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (316)..(316)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (323)..(323)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (330)..(330)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (334)..(334)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (336)..(337)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (340)..(340)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (351)..(351)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (356)..(356)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (358)..(358)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (360)..(361)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (363)..(363)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (366)..(366)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (374)..(375)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (381)..(381)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (385)..(386)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (390)..(391)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (396)..(396)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (403)..(403)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (411)..(413)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (416)..(418)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (430)..(431)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (441)..(441)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (452)..(453)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (460)..(461)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (467)..(467)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (478)..(478)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (481)..(482)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (484)..(484)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (489)..(490)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (497)..(497)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (502)..(503)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (509)..(510)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (516)..(516)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (518)..(518)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (521)..(522)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (530)..(530)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (533)..(533)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (549)..(549)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (551)..(551)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (554)..(555)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (564)..(566)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (569)..(569)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (571)..(571)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (573)..(573)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (579)..(579)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (584)..(585)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (591)..(591)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (595)..(595)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (598)..(599)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (607)..(607)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (619)..(619)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (621)..(621)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (628)..(629)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (642)..(642)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (644)..(647)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (651)..(651)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (655)..(655)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (658)..(658)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (661)..(661)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (676)..(677)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (680)..(680)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (684)..(684)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (691)..(691)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (695)..(695)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (701)..(702)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (704)..(705)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (708)..(708)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (727)..(727)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (733)..(733)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (736)..(736)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (740)..(740)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (743)..(744)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (751)..(751)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (760)..(760)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (764)..(767)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (781)..(781)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (789)..(789)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (792)..(792)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (794)..(794)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (804)..(804)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (809)..(809)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (812)..(813)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (815)..(815)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (818)..(818)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (821)..(821)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (823)..(823)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (828)..(828)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (830)..(830)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (833)..(833)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (842)..(842)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (846)..(846)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (858)..(858)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (860)..(860)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (863)..(864)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (867)..(868)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (876)..(877)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (886)..(886)

<223> n is a, c, g, or t

<400> 409

tncntttttt ttccncggg aaagcgcgcc attgtgttg tccccgggaa ttcgcggccg 60

cgtcgacgag aaatggcttg aaccagtag gcagagggtg tagtgagccc agaatnggnc 120

acctgcacnt ttanccntgg gtgacaaaan tgaaaacttt gtctnaaaaa aaaaaaaaaa 180

aaattttaan tnaaatnaaa aancctttnc nttnttttn aaannggggg gggnnntttt 240

ngggnttngn nntggtaaaa antnnntttt ttttttttta ggggccnann ccccntttta	300
naaaancng nttttnaaaa aanttttttn ccncnnttn gggggggggg nttttnancn	360
ntnttngggg gggnncccct nttannaccn ncaaantttt tanttttttg nnnannncc	420
cccttttttn nttttttttg nggggggggg gnngccccc ncccttnggg gggggggntt	480
nngnaaaaann acttttnaaa annaagggnn ggggggnanat ncccccccn ggnttttttt	540
tttaaaaant naannggggg gggnnnctna ntnggggnc ccannggggg nttanaanna	600
ttttctnccc aaaccccng nttttatnnc ccccccccc cncnnngaa ngggnggncc	660
ntttttttta tttttnggn gggnaaaaaa ntttnaaaaa nnannatntt ttttcccccc	720
cccccnctt ttnggnaaan ccnngggggg ntcctttttt aaannnnccc ccaaaaaaaaa	780
ntttttttnt tntntttttc tctnggggnc cmnantnta nanttttncn ccnaaaaaaa	840
angggncccc tttttttncn ggngggnncc caaaantttt tttttnaaaa aaaaaaaaaa	900

<210> 410
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (10)..(10)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (45)..(45)
 <223> n is a, c, g, or t

<400> 410	
gttcgtgacn ttcggagcta cctgacagag cagagtcaac caggntctgc ccaaagagag	60
tgtaggcct gagcttgaga gccctggaga gacgtgtgca caaatgtga cctgaggccc	120
tagtctagca agaggacata gcaccctcat ctgggaatag ggaaggcacc ttgcagaaaa	180
tatgagcaat ttgatattaa ctaacatctt caatgtgcca tagaccttcc cacaaagact	240
gtccaataat aagagatgct tatctatttt a	271

<210> 411
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n is a, c, g, or t

<400> 411
 gtcgacgcgg ccgcggtcgc tggagncgat caactctagg ctccaactcg ttatgaaaag 60
 tgggaagtac gtcctgggggt acaagcagac tctgaagatg atcagacaag gcaaagcgaa 120
 attggtcatt ctcgctaaca actgcccagc tttgaggaaa tctgaaatag agtactatgc 180
 tatgttggct aaaactgggtg tccatcacta cagtggcaat aatattgaac tgggcacagc 240
 atgcggaaaa tactacagag tgtgcacact ggctatcatt gatccaggtg actctgacat 300
 cattagaagc atgccagaac agactgggtga aaagtaaacc ttttcaccta caaaatttca 360
 cctgcaaacc ttaaacctgc aaaattttcc tttaataaaa tttgcttggt tt 412

<210> 412
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 412
 ccgccaacat gggccgcgtt cgcaccaaaa ccgtgaagaa ggcggccccg gtcatcatag 60
 aaaagtacta cacgcgcctg ggcaacgact tccacacgaa caagcgcgtg tgcgaggaga 120
 tcgccattat cccagcaaaa aagctccgca acaagatagc aggttatgtc acgcatctga 180
 tgaagcgaat tcagagaggc ccagtaagag gtatctccat caagctgcag gaggaggaga 240
 gagaaaggag agacaattat gttcctgagg tctcagcctt ggatcaggag attattgaag 300
 tagatcctga cactaaggaa atgctgaagc ttttggactt cggcagctctg tccaaccttc 360
 aggtcactca gcctacagtt gggatgaatt tcaaaacgcc tcggggacct gtttgaattt 420
 tttctgtagt gctgtattat tttcaataaa tctgggacaa 460

<210> 413
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 413
 cagaggtggg aggattgctt cagttcaaga gtttgagacc agcctgggta acatggcgaa 60
 accctgtctt tacaaaaaat gcaaaccctt gccgcatgtg ttgggggtgcg cctgtagtcc 120
 cagcttctcg ggaggctgag gtgggggggac cacctgagcc atggagggtg aggctgcagt 180
 gagccgtgat accaccactg tactctagcc tgggccatag agtgagacac cctgcctcag 240
 aaata 245

<210> 414
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 414
 cccatcccct cgaccgctcg cgtcgcattt ggccgcctcc ctaccgctcc aagcccagcc 60
 ctcagccatg gcatgcccc tggatcaggc cattggcctc ctctgggcca tcttccacaa 120
 gtactccggc agggagggtg acaagcacac cctgagcaag aaggagctga aggagctgat 180
 ccagaaggag ctcaccattg gctcgaagct gcaggatgct gaaattgcaa ggctgatgga 240
 agacttggac cggaacaagg accaggaggt gaacttccag gagtatgtca ccttcctggg 300
 ggccttggct ttgatctaca atgaagccct caagggtgta aaataaatag ggaagatgga 360
 gacaccctct gggggtcctc tctgagtcaa atccagtggg gggttaattgt acaataaatt 420
 ttttttttgt caaatataa 439

<210> 415
 <211> 526
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (369)..(369)

<223> n is a, c, g, or t

<400> 415
ctggagacga cgtgcagaaa tggcacctcg aaaggggaag gaaaagaagg aagaacaggt 60
catcagcctc ggacctcagg tggctgaagg agagaatgta tttggtgtct gccatatctt 120
tgcacccctc aatgacactt ttgtccatgt cactgatctt tctggcaagg aaaccatctg 180
ccgtgtgact ggtgggatga aggtaaaggc agaccgagat gaatcctcac catatgctgc 240
tatgttggct gcccaggatg tggcccagag gtgcaaggag ctgggtatca ccgccctaca 300
catcaaactc cgggccacag gaggaaatag gaccaagacc cctggacctg gggcccagtc 360
ggccctcana gcccttgccc gctcgggtat gaagatcggg cggattgagg atgtcacccc 420
catcccctct gacagcactc gcaggaaggg gggtcgccgt ggtcgccgtc tgtgaacaag 480
attcctcaaa atattttctg ttaataaatt gccttcatgt aaactg 526

<210> 416

<211> 613

<212> DNA

<213> Homo sapiens

.

<220>

<221> misc_feature

<222> (23)..(23)

<223> n is a, c, g, or t

<400> 416
cttaagtatg ccctgacagg agnatgaagt aaagaagatt tgcatgcagc ggttcattaa 60
aatcgatggc aaggtccgaa ctgatataac ctaccctgct ggattcatgg atgtcatcag 120
cattgacaag acgggagaga atttccgtct gatctatgac accaagggtc gctttgctgt 180
acatcgtatt acacctgagg aggccaagta caagttgtgc aaagtgagaa agatctttgt 240
gggcacaaaa ggaatccctc atctggtgac tcatgatgcc cgcaccatcc gctaccccga 300
tcccctcatc aaggtgaatg ataccattca gattgattta gagactggca agattactga 360
tttcatcaag ttcgacactg gtaacctgtg tatggtgact ggaggtgcta acctaggaag 420
aattggtgtg atcaccaaca gagagaggca ccctggatct tttgacgtgg ttcacgtgaa 480

agatgccaat ggcaacagct ttgccactcg actttccaac atttttgtta ttggcaagg	540
caacaaacca tggattttctc ttccccgagg aaagggatc cgcctcacca ttgctgaaga	600
gagagacaaa aga	613

<210> 417
 <211> 663
 <212> DNA
 <213> Homo sapiens

<400> 417	
ggaattcgcg gccgcgtcga cctctgctcg aattgacaga aaaggattct gtgaagagt	60
atgagatttc catccatgct gactttgaga atacatgttc ccgaattgtg gtccccaag	120
ctgccattgt ggcccgccac atttaccttg ccaatggcca gaccaagggtg ctgactcaga	180
agttgtcatc agtcagaggc aatcatatta tctcagggac atgcgcatca tggcgtggca	240
agagccttcg ggttcagaag atcaggcctt ctatcctggg ctgcaacatc cttcgagttg	300
aatattcctt actgatctat gttagcgttc ctggatccaa gaaggatc cttgacctgc	360
ccctggtaat tggcagcaga tcaggtctaa gcagcagaac atccagcatg gccagccgaa	420
ccagctctga gatgagttgg gtagatctga acatccctga taccacagaa gtcctccct	480
gctatatgga tgatcattcct gaagatcacc gattggagag cccaaccact cctctgctag	540
atgacatgga tggctctcaa gacagcccta tctttatgta tgcccctgag ttcaagttca	600
tgccaccacc gacttatact gaggtggatc cctgcatcct caacaacaat gtgcagtga	660
cat	663

<210> 418
 <211> 692
 <212> DNA
 <213> Homo sapiens

<400> 418	
tgagagggg tccatacggc gttgttctgg attcccgtcg taacttaaag ggaaactttc	60
acaatgtccg gagcccttga tgtcctgcaa atgaaggagg aggatgtcct taagttcctt	120
gcagcaggaa ccacttagg tggcaccaat cttgacttcc agatggaaca gtacatctat	180

```

aaaaggaaaa gtgatggcat ctatatcata aatctcaaga ggacctggga gaagcttctg      240
ctggcagctc gtgcaattgt tgccattgaa aaccctgctg atgtcagtgt tatatcctcc      300
aggaatactg gccagagggc tgtgctgaag tttgctgctg cactggagc cactccaatt      360
gctggccgct tcaactcctgg aaccttcact aaccagatcc aggcagcctt ccgggagcca      420
cggcttcttg tggttactga cccaggggt gaccaccagc ctctcacgga ggcattcttat      480
gttaacctac ctaccattgc gctgtgtaac acagattctc ctctgcgcta tgtggacatt      540
gccatcccat gcaacaacaa gggagctcac tcagtgggtt taatgtggtg gatgctggct      600
cgggaagttc tgcgcatgcg tggcaccatt tcccgtaac acccatggga ggtcatgcct      660
gatctgtact tctacagaga tctgaagag at                                     692

```

```

<210> 419
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (217)..(218)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (220)..(220)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

```

<220>
<221> misc_feature
<222> (230)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(272)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (274)..(276)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (278)..(280)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (282)..(283)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (285)..(301)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (303)..(303)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (306)..(307)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (309)..(310)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (313)..(313)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (320)..(320)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (323)..(323)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (326)..(326)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (332)..(332)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (337)..(338)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (340)..(343)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (348)..(348)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (350)..(352)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (354)..(354)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (356)..(358)
 <223> n is a, c, g, or t

<400> 419
 tttttttttt tttcctgcgg gaaagcgcgc cattgtgttg gtacccggga aattcgcggc 60
 cgcgtcgaca caggccccag catcaagatc tgggatttag agaggaaaga tcattgtaga 120
 tgaactgaag caagaagtta tcagtaccag cagcaaggca gaaccacccc agtgcacctc 180
 cctggcctgg tctgctgatg acacaggttg ggcnggnncn cngggngngn nnnngnnnngc 240

ngnngggnncn gnnnnncnnnn ngcnnnngnn nntnnncnnn gnnnnnnnnn nnnnnnnnnn	300
ngntcnngnn gcnngggccn ggnncgncgcg gncgcgnntn nnnnggtncn nncncnnngg	360
cgcgc	365

<210> 420
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 420	
cagactctga cccagcctca gtcctaactc ctggggctgg gctgagggga acaagcattt	60
gctgaaactt gaaaaaaca agcaaataca aaacaggaaa aaattgtacc tgggtactttt	120
ttttagaaaa aaagattaaa aaagaaagaa taaattcttg tttggaaact tgaaaaaaaa	180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttttaaactc	240

<210> 421
 <211> 642
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (178)..(178)
 <223> n is a, c, g, or t

<400> 421	
acgagaagcc agatactaaa gagaagaanc ccgaagccaa gaagggtgat gctggtggca	60
aggtgaaaaa gggtaacctc aaagctaaaa agcccaagaa ggggaagccc cattgcagcc	120
gcaaccctgt ccttgtcaga ggaattggca ggtattcccg atctgccatg tattccanaa	180
aggccatgta caagaggaag tactcagccg ctaaatacaa ggttgaaaag aaaaagaagg	240
agaaggttct cgcaactgtt acaaaaccag ttggtggtga caagaacggc ggtacccggg	300
tggttaaact tcgcaaaatg cctagatatt atcctactga agatgtgcct cgaaagctgt	360

tgagccacgg caaaaaaccc ttcagtcagc acgtgagaaa actgcgagcc agcattaccc	420
ccgggaccat tctgatcatc ctcaactggac gccacagggg caagaggggtg gttttcctga	480
agcagctggc tagtggctta ttacttgtga ctggacctct ggtcctcaat cgagttcctc	540
tacgaagaac acaccagaaa tttgtcattg ccacttcaac caaaatcgat atcagcaatg	600
taaaaatccc aaaacatctt actgatgctt acttcaaaaa ga	642

<210> 422
 <211> 503
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (27)..(27)
 <223> n is a, c, g, or t

<400> 422	
ccctatacct tctgcataat gaattancta gaaataactt tgcaagggag agccaaagct	60
aagacccccg aaaccagacg agctacctaa gaacagctaa aagagcacac ccgtctatgt	120
agcaaaatag tgggaagatt tataggtaga ggcgacaaac ctaccgagcc tggatgtagc	180
tggttgtcca agatagaatc ttagttcaac tttaaatttg cccacagaac cctctaaatc	240
cccttgtaaa tttaactgtt agtccaaaga ggaacagctc tttggacact aggaaaaaac	300
cttgtagaga gagtaaaaaa tttaacaccc atagtaggcc taaaagcagc caccaattaa	360
gaaagcgttc aagctcaaca ccactacct aaaaaatccc aaacatataa ctgaactcct	420
cacaccaat tggaccaatc tatcacccta tagaagaact aatgttagta taagtaacat	480
gaaaacattc tcctccgcat aag	503

<210> 423
 <211> 620
 <212> DNA
 <213> Homo sapiens

<400> 423	
ctctcctgtc aacagcggcc agcctcccaa ctacgagaat gctcaaggag gagcaggaag	60

tggctatgct gggggcgccc cacaaccctg ctcccccgac gtccaccgtg atccacatcc	120
gcagcgagac ctccgtgccc gaccatgtcg tctgggtccct gttcaacacc ctcttcatga	180
acacctgctg cctgggcttc atagcattcg cctactccgt gaagtctagg gacaggaaga	240
tggttggcga cgtgaccggg gcccaggcct atgcctccac cgccaagtgc ctgaacatct	300
gggccctgat tttgggcata ttcataacca ttctgctcgt catcatccca gtgttggctg	360
tccaggccca gcgatagatc aggaggcatc attgaggcca ggagctctgc ccgtgacctg	420
tatcccacgt actctatctt ccattcctcg ccctgcccc agaggccagg agctctgccc	480
ttgacctgta ttccacttac tccaccttcc attcctcgcc ctgtccccac agccgagtcc	540
tgcatacgcc ctttatcctc acacgctttt ctacaatggc attcaataaa gtgtatatgt	600
ttctgggtgct gctgtgactt	620

<210> 424
 <211> 702
 <212> DNA
 <213> Homo sapiens

<400> 424	
ttcgtaatta gaatactggt tggacttgct caacaagcac cttatcttaa caaaaagtaa	60
cttatagaaa agggagacat tcatttaact tcaagcccat attattctta aaagctgact	120
cttgaaatag tatttattga gtcatagtgg agtcatggga ctttttaagg gccggaaggg	180
actatttaga tcatccagtc ccaccctgtc attttatgga ggaggaaact gaggcctaga	240
taagataacc agttagtggg tccactgacc tttaggacag tagtctatcc gtaagagaca	300
acatggagaa agaaatacaa cgtttttata gtgaattatc atcttacaaa gaatattctt	360
cccatatcgc acttttaaaa agtgggtacc ttagtcaaag aggagaaaaa accacttgag	420
tagtttcata ctcaggtttt aggtgaggaa actgatactc agattaaata actttaagca	480
cacagagcct gaatgatagt cttatttgag ctcactctgtg cttttaatgt gtactacggt	540
aggtgttttc acttgcatth ccttttagtct tatttgagct catctgtgct tttaatgtgt	600
actacgttag gtgttttcac ttgcatttcc ttgtttgacg ttgacaataa atcgtgaagc	660

tgccttatct aaggaagtcc taaagtaaatt cattggaaca ca

702

<210> 425
<211> 632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<400> 425
ccattgtgtt ggnacccggg aattcgcggc cgcgtcgacg gagttttacc ttattacact 60
ttaatctctg gatttacccc atctcatttc tcttttagga aaactgtttg tatgtggtgg 120
ctttgatggg tctcatgcca tcagttgtgt ggaaatgtat gatccaacta gaaatgaatg 180
gaagatgatg ggaaatatga cttcaccaag gagcaatgct gggattgcaa ctgtagggaa 240
caccatttat gcagtgggag gattcgatgg caatgaattt ctgaatacgg tggaagtcta 300
taaccttgag tcaaatgaat ggagccccta taaaagatt ttccagtttt aacaaattta 360
agaccctctc aaactaacag gcttagtgat gtaattatgg ttagcagagg tacacttggtg 420
aataaagagg gtgggtgggt atagatgttg ctaacagcaa cacaaagctt ttgcatattg 480
catactatta aacatgctgt acatactttt tgggtttatt tggaaaggaa tgcaaagatg 540
aaggtctgtt ttgtgtactt ttaagacttt gggtatttta ctttttggaa aagaataaac 600
caagaattga ttgggcacat catttcaaga ag 632

<210> 426
<211> 374
<212> DNA
<213> Homo sapiens

<400> 426
agagcagcag ccatggccct acgctaccct atggcgtgg gcctcaacaa gggccacaaa 60
gtgaccaaga acgtgagcaa gccagggcac agccgacgcc gcgggcgtct gaccaaacac 120
accaagtctg tgcgggacat gattcgggag gtgtgtggct ttgccccgta cgagcggcgc 180

gccatggagt tactgaaggt ctccaaggac aaacgggccc tcaaatttat caagaaaagg	240
gtggggacgc acatccgcgc caagaggaag cgggaggagc tgagcaacgt actggccgcc	300
atgaggaaag ctgctgccaa gaaagactga gcccctcccc tgccctctcc ctgaaataaa	360
gaacagcttg acag	374

<210> 427
 <211> 567
 <212> DNA
 <213> Homo sapiens

<400> 427	
gaattattga ctttgaattg catttcagta ccatgaagtc aaagtcagtg gtgtatttgc	60
tcatttgttc attctttctt ttccaccaac attactgcct gcagagccag aggtgagtgc	120
agaaatcctg tcaattcgtc acttgtggac aacctgcagc ttgccacagc ctacagttcc	180
accactgtga cctctgaaaa cctcctgaac aaaaggaagg agacttggaa atcctgaatg	240
ggcttggaga cattaagggg gaactgcctc cctggaccaa ggcagaattc aatagaacca	300
gcaagaaatt ttcctatgaa tgggaaagca ggtggcaggg ggcaggggtg gaaaagcttt	360
gtacaggaat tgtggaaaag cttttgcatt atctctagtc tgaaagtcac atttctcagt	420
tcctttccac tctcttctgt caacttgctg tgagtaaagc acatctgtca cctgtgacac	480
gggccagggg ctatcaccat atggcccccac cacattatct agtaccagcc tgccctgggccc	540
atgccttttc cagtcactgt accagcc	567

<210> 428
 <211> 620
 <212> DNA
 <213> Homo sapiens

<400> 428	
ctctcctgtc aacagcggcc agcctcccaa ctacgagaat gctcaaggag gagcaggaag	60
tggctatgct gggggcgccc cacaaccctg ctcccccgac gtccaccgtg atccacatcc	120
gcagcgagac ctccgtgccc gaccatgtcg tctggtcctt gttcaacacc ctcttcatga	180
acacctgctg cctgggcttc atagcattcg cctactccgt gaagtctagg gacaggaaga	240

tggttggcga cgtgaccggg gccaggcct atgcctccac cgccaagtgc ctgaacatct	300
gggcctgat tttgggcac ttcatgacca ttctgctcgt catcatccca gtgttggtcg	360
tccaggccca gcgatagatc aggaggcatc attgaggcca ggagctctgc ccgtgacctg	420
tatcccacgt actctatctt ccattcctcg ccttgccccc agaggccagg agctctgccc	480
ttgacctgta ttccacttac tccaccttcc attcctcgcc ctgtccccac agccgagtcc	540
tgcatacagcc ctttatcctc acacgctttt ctacaatggc attcaataaa gtgtatatgt	600
ttctgggtgct gctgtgactt	620

<210> 429
 <211> 669
 <212> DNA
 <213> Homo sapiens

<400> 429	
cacaagatag aatggtaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttttaagtga	60
cagtgccata gtttggacag tacctttcaa tgattaattt taatagcctg tgagtccaag	120
taaatgatca ctttatattgc tagggaggga agtcctaggg tggtttcagt ttctcccaga	180
catacctaaa tttttacatc aatcctttta aagaaaatct gtatttcaaa gaatctttct	240
ctgcagtaaa tctcgcaggg gaatttgcac tattacactt gaaagttggt attgttaacc	300
ttttcggcag cttttaatag gaaagttaaa cgttttaaac atggtagtac tggaaatttt	360
acaagacttt tacctagcac ttaaatatgt ataatgtac ataaagacaa actagtaagc	420
atgacctggg gaaatggcca gacctgtat tgtgtttttg gccttgaaag tagcaagtga	480
ccagaatctg ccatggcaac aggctttaa aaagaccctt aaaaagacac tgtctcaact	540
gtgggtgtag caccagccag ctctctgtac atttgctagc ttgtagtttt ctaagactga	600
gtaaacttct tattttttaga aagtggaggt ctggtttgta actttccttg tacttaattg	660
ggtaaaagt	669

<210> 430
 <211> 484
 <212> DNA
 <213> Homo sapiens

<400> 430
caaccttagc caaaccattt acccaaataa agtataggcg atagaaattg aaacctggcg 60
caatagatat agtaccgcaa gggaaagatg aaaaattata accaagcata atatagcaag 120
gactaacccc tataccttct gcataatgaa ttaactagaa ataactttgc aaggagagcc 180
aaagctaaga cccccgaaac cagacgagct acctaagaac agctaaaaga gcacacccgt 240
ctatgtagca aaatagtggg aagatttata ggtagaggcg acaaacctac cgagcctggt 300
gatagctggt tgtccaagat agaactcttag ttcaacttta aatttgccca cagaaccctc 360
taaatcccct tgtaaattta actgttagtc caaagaggaa cagctctttg gacactagga 420
aaaaaccttg tagagagagt aaaaaattta acacccatag taggcctaaa agcagccacc 480
aatt 484

<210> 431
<211> 576
<212> DNA
<213> Homo sapiens

<400> 431
gacaggcggg ggcccagcgg ccgggtgaag gccgggtggc tctgtgaatc aaaggagagt 60
cccagaaaac ctgtgactgt tgaagaaaat tcatctgtga atttttatat tcaaggagtc 120
agtatttata ttcacttttt aaactgggaa gatttatatt ttactttaaa acttcttgat 180
aataatttac aatgaatgga cacagtgatg aagaaagtgt tagaaacagt agtggagaat 240
caaggtaagt aagcactttg ttatcaattg ttactatga agagagttga aaacttgact 300
tttttcttta ttgttattgt tggtatttag ttttcctcat aggtagcaga gttttcaggt 360
tttcctctta gctatccaaa tactaaaaaa attctgatat acgaaccttt tttcataata 420
caggttttta ttatattttt cattcagata cacagtagat cttaaataata gaaagttttt 480
gtttacttaa atctatttgg aagtttatat ttgagctaata aattaagctg gagcatgtat 540
aatagattta aattgttttg actgttagtg aaattt 576

<210> 432
<211> 669

<212> DNA
<213> Homo sapiens

<400> 432
ctcacttggt gggtagcct ccaatgacta cacccaagga ggatttaaca cagggatttt 60
atgacttgca acaagtcagg aggacatggg gttggggtag ttcagcagtg cctgtctgaa 120
caaaggtgaa aattgggctt ttattgggct gatcaagggg gagtaaaggc agccaggagc 180
agtcgcctgt catgcttcta cctatattgc atgtatagaa aagggaataa aaactccttc 240
ctgggcaggg ttttagtatg ctaaggaggg gagttattca acttcaatcc aactcaagca 300
tcagcattgc tgcgtccatc ccagttttgt tttgctgggg ctgaacttct tcctataact 360
ttttgaaaca acaagaactc aagggtgtgac agttacaagt gggccctttt tcacagtgtg 420
tacctaaaca cgtgaggacc ctggattaca gaatgacaga ctgaagtga ctcaagttcc 480
ggttgttcat ctttagatgg taaagatggc tgtacgtact atccttgctt atttccaatc 540
tattgtttaa actcttgtat atgtaatacc gcagaggcta gagatacaac ctttgaccaa 600
atgagtgaat tcaagtaatc cattactaat gtgatctgga aacaaacatg gtgttgaatg 660
tgcatatgt 669

<210> 433
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (470)..(470)
 <223> n is a, c, g, or t

<400> 433
 cttggcagct ccgttatgtg cccagctctt tgcaagggca tactgggaaa tgagtggaga 60
 taaaggaccc aatcataagc attttacagt atggataccc cattttaaaa aggtaaactg 120
 aggcacaatg caattttttt ttttttttaa ggagtttatt tgagcaaaca gtgattcatg 180
 aatcaggcag caccaaacca gaaggaggct ttgctgaana aggatgaggg acaagcattt 240
 ataaagtga tgtagatgta atacaaagaa aatatttgaa ccgggtgcgg tggcttacac 300
 ttgtaatccc aacactttgg gaggccaagg cgggcagatc acaagatcaa gagatcgaga 360
 ccacctcgtt caacatgggtg aaaccccatc tntactaaaa aatacaaaaa ttanctgggc 420
 gtggtggtgc gtgcctgtag tcccagctac ttgggcggct gaggcaggan aattgcttga 480
 acccgggagg tggaggttgc agtaagccga gattgcacca ttgcactact ccagcctggt 540
 gacagagaga gactccatc 559

<210> 434
 <211> 1354
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(5)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (14)..(15)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (19)..(20)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature


```

<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```

```

<222> (137)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```

<222> (191)..(191)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (193)..(194)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (197)..(203)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (205)..(205)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (218)..(218)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (221)..(221)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (226)..(227)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (235)..(235)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (237)..(237)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (249)..(249)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature

<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (313)..(313)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (317)..(317)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (320)..(321)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (324)..(324)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (326)..(327)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (329)..(330)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (338)..(340)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (344)..(344)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (350)..(350)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (353)..(353)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature

```

<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```

<222> (406)..(406)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (415)..(416)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (418)..(418)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (421)..(421)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (425)..(425)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (435)..(435)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (437)..(437)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (445)..(445)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (447)..(447)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (452)..(452)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature

<222> (454)..(455)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (459)..(459)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (462)..(462)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (465)..(465)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (467)..(469)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (471)..(472)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (474)..(474)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (479)..(479)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (482)..(482)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (489)..(489)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature


```

<222> (491)..(492)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (494)..(495)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (498)..(498)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (507)..(509)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (516)..(517)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (523)..(524)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (527)..(527)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (529)..(529)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (536)..(536)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (538)..(539)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```

```

<222> (541)..(541)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (550)..(551)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (555)..(555)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (559)..(559)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (564)..(564)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (567)..(567)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (571)..(571)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (577)..(578)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (583)..(584)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (587)..(587)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```

```

<222> (592)..(592)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (597)..(597)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (600)..(600)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (602)..(603)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (610)..(610)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (614)..(618)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (622)..(622)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (625)..(625)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (628)..(629)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (631)..(631)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```

<222> (634)..(634)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (637)..(637)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (649)..(649)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (661)..(661)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (664)..(664)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (672)..(672)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (676)..(676)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (680)..(680)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (682)..(682)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (685)..(686)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature

<222> (688)..(688)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (690)..(691)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (695)..(695)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (703)..(703)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (710)..(710)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (714)..(714)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (716)..(716)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (718)..(718)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (720)..(720)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (722)..(722)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (724)..(724)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (726)..(730)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (753)..(754)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (759)..(759)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (761)..(761)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (766)..(767)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (774)..(774)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (790)..(790)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (796)..(796)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (800)..(800)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (807)..(808)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (814)..(814)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (823)..(825)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (828)..(828)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (834)..(834)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (850)..(850)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (854)..(855)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (858)..(858)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (865)..(866)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (868)..(868)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature

<222> (870)..(871)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (873)..(873)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (878)..(878)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (880)..(880)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (882)..(882)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (888)..(889)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (892)..(892)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (897)..(897)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (905)..(906)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (908)..(908)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (911)..(911)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (915)..(917)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (919)..(920)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (923)..(923)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (928)..(928)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (930)..(930)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (936)..(936)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (939)..(940)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (942)..(942)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (947)..(947)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature

<222> (954)..(954)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (957)..(957)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (961)..(961)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (967)..(968)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (973)..(973)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (975)..(975)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (980)..(981)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (983)..(983)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (985)..(985)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (989)..(989)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature

<222> (992)..(993)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (997)..(997)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1000)..(1000)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1003)..(1003)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1006)..(1006)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1008)..(1008)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1010)..(1010)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1012)..(1013)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1015)..(1015)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1018)..(1018)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature

<222> (1021)..(1022)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1024)..(1024)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1027)..(1027)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1033)..(1033)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1040)..(1041)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1046)..(1046)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1050)..(1050)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1052)..(1054)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1061)..(1061)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1073)..(1073)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature

<222> (1081)..(1082)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1084)..(1085)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1088)..(1088)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1090)..(1091)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1096)..(1097)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1108)..(1109)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1113)..(1113)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1115)..(1115)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1118)..(1119)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1127)..(1127)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature

```

<222> (1129)..(1129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1131)..(1132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1139)..(1139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1144)..(1144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1146)..(1146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1148)..(1148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1153)..(1155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1160)..(1160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1162)..(1162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1173)..(1174)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```

```

<222> (1176)..(1176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1180)..(1180)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1183)..(1183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1185)..(1185)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1189)..(1191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1195)..(1195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1199)..(1200)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1203)..(1203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1206)..(1206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1209)..(1210)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```

```

<222> (1219)..(1219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1221)..(1222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1228)..(1228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1233)..(1233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1240)..(1240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1245)..(1246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1248)..(1248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1254)..(1255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1260)..(1260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1262)..(1263)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```


<222> (1273)..(1275)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1279)..(1279)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1282)..(1282)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1285)..(1285)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1294)..(1294)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1300)..(1301)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1303)..(1303)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1307)..(1307)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1315)..(1315)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (1320)..(1320)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature

<222> (1325)..(1327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1329)..(1329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1331)..(1331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1333)..(1334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1342)..(1342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1345)..(1345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1349)..(1351)
<223> n is a, c, g, or t

<400> 434
gannngtgcg atannatggn tgtctttttt ttaaagtntt tcnnatngna gngaancccc 60
cnnanntnnc ataangagag atnactacng tacanatagn gncanacnga tagtagtanc 120
aanattgtnt tagctanatn antcaataga tatcnagata naanaananc nnggatatac 180
agcgatgtnt nannggnnnn nnnanggaac gaacatcnac nttaannata agctngngga 240
gagagacang tangttatan annagaatng nagtaggngt gatcataata gnnnnnannt 300
antatatang atnttantgn nctntnntnn gtttatcnnn aatntctatn ctngagagna 360
gcnnnatnnn naggcganga nattgggnnn tnctcntnat aganantgg tgtcnnanaa 420
ntacntcatc tattnanctc tcacnanatg gnannatana gnagngnnt nnanaggant 480

angcatagng nntnnctnaa acaaaaannna taaganntct cgnaaanang ggcctntnt	540
ntagcgaggn nttantttnt atanttttc nctcttnnaa tanntangat anatganctn	600
gnngtgatan atannnnnta cngtnaannt ntantcntat aatagatana aatataggat	660
nttncctctgg cnggtngaana anttnntncn ntttnaataa tgntggtagn gacngngntn	720
tnanannnnn ttagaaaggt actctatata ctnntatgnt ncggcnata atanaacaga	780
tgtttgatn aatatnaaan aaggtcnntt tcgncagag aanntgnct ggtnatagaa	840
ttagcataan ttanntanta tgatnnantn ntntacnan tnttagcnnt tngcagnagt	900
cattngnat ntatnnngnn tantagtnan ttgggnctnn tncagantat attntgngaa	960
natgaannta cgnantcctn ngnantatna tnntgantn ganaancnan anntntnta	1020
nnantgncta tanattgccn ngatanattn tnnaatgaa ncgatagccc gcnctaagga	1080
nntnngtnan ntaaanntct cagataannt acntntntnt tattaancha nnatcacant	1140
atancngnga cannngcgan antatatgta tgnnantatn acngntccnn nccnggaann	1200
tantcntann aggcatcng nngagctntt ctnctagacn atttnnantg aaannatgcn	1260
gnnaaaaacg acnnncttna antntgtct acantccgcn ntntttntac agatngcagn	1320
taagnnnant nanngctctc anctngctnn nact	1354

<210> 435
 <211> 741
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (9)..(9)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (11)..(11)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (53)..(53)

<223> n is a, c, g, or t

<400> 435
aagcagaant ntctctaaaa acattatctc cttaaaatct tgaggtgcat atnagagcca 60
caggcaatct ctgacatata aaattgcagt acaggccttt caaatttggc atttcactgg 120
tacaatacaa caaccaagat atataataac tgtacagtgc ctagacattc cagtaagaac 180
cattattttc tttaatgtag aatgattaat acatattcta caagggggcag taagggttagt 240
aattctatag ggtatgtccc gacataattt tcaaattgta caataacaca aacaactttg 300
ttaaggccat gttttatttg ctgattaatg gacaaaaggc aatgtaattt attttcaagt 360
attttcttga aagtctgtgc tcataaaaat catgaaaagt tggaaagact gttaaatacac 420
tgaaacttca aatatactct acacaatctt gtttgtacaa aaatacaagt taaatataaa 480
cataaagcaa tcatggtaat tttatgcaaa tctgttttat gtgatcatca gttatatata 540
aaagtttctc agttctgtta tttgtgaaaa gatcaatacc agattgaatg actacctatt 600
ggcaaagggc cctaaaaagc ttacttttagc actcatcttt tacatgggta aatgcatttc 660
ctaatttgag atcacctaaa cactggaaaa gaaaaaaaaat gaaagggcag tatgtccata 720
aaccaacaaa taatttggct g 741

<210> 436
<211> 485
<212> DNA
<213> Homo sapiens

<400> 436
cgaaatttcc ttgtgacaca gaggaagggc aaaggtctga gccagagtt gacggagggga 60
gtatttcagg gttcacttca ggggctccca aagcgacaag atcgttaggg agagaggccc 120
agggtgggga ctgggaattt aaggagagct gggaacggat cccttagggt caggaagctt 180
ctgtgcaagc tgcgaggatg gcttgggccg aagggttgct ctgcccgcgc cgctagctgt 240
gagctgagca aagccctggg ctcacagcac cccaaaagcc tgtggcttca gtcctgcgtc 300
tgcaccacac aatcaaaagg atcgttttgt tttgttttta aagaaagggt agattggctt 360
ggttcttcat gagcacattt gatatagctc tttttctggt tttccttgct catttcgttt 420

tggggaagaa atctgtactg tattgggatt gtaaagaaca tctctgcact cagacagttt 480
acaga 485

<210> 437
<211> 637
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (594)..(594)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (601)..(601)
<223> n is a, c, g, or t

<400> 437
ggtttttata cttgccatga aactgttctt tgggatatta ttttgttcag gttccccact 60
tggacagcag agggggtgac tctgcccata cctgccactg gtagccaggc gggcaatgtc 120
tgctagcagt ctgcttctgt ctgaactcag ccagcagagg caaactcccg gttccccgag 180
aaacactctg aaggcagggg ggggtgactcc acccaccacc gcctctccta gccatgcagg 240
ccatgtctgc tagagcttcc agcgcagtgg tcctaattct gtctgaatcc ggctgagggg 300
tgcagcctcc tgttactgcc cagggaaca cccagatggc aggggtgggtg actccaacca 360
cctctgcctg tggtagccag atgggccaca cctgctagag cttccagccc agcagtcccg 420
ctactctgtg ggtgggtgcc atcccctgtt cctctgggaa gcaccagac agctgattac 480
gtgacccac ccacttctgc agatcctagc tgagcaggac ttgctggttt ggacaatgcc 540
caagcagga agagccctca ttctcttatc actgacagag gtgagatgtc cgantttgta 600
ngctggtgga ggagtgaggt ggaggaggta tgcctct 637

<210> 438
<211> 420
<212> DNA
<213> Homo sapiens

<400> 438
 gttattcagg tatccatcaa aattttataa gagggccgga aacatcggct cacacctgta 60
 atcccagcac tttgggaggc tgaggcaggt ggttcacttg aggtcaggag ttcgagacca 120
 gcctggccaa catggcaaaa ccccgtcact attaaaaata caaacatta gctgggtgta 180
 gtggcaggtg cctgtaatcc cagctattcg ggaggcctag gaaggaaaat ggcttgaacc 240
 tgggggtgga gggttgagtg aggcaagatc acaccactgc actccagcct gggcgacaga 300
 gcgagactcc atctcaaaag aagaaaaaaa aaacaacaaa aaaaccttta tcagattatc 360
 agaggttatc actacagagg gaggtaaaat tggagggaaa agggtaacaaa tttatttcac 420

<210> 439
 <211> 741
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (9)..(9)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (11)..(11)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (53)..(53)
 <223> n is a, c, g, or t

<400> 439
 aagcagaant ntctctaaaa acattatctc cttaaaatct tgagggtgcat atnagagcca 60
 caggcaatct ctgacatata aaattgcagt acaggccttt caaatattggc atttcactgg 120
 tacaatacaa caaccaagat atataataac tgtacagtgc ctagacattc cagtaagaac 180
 cattattttc tttaatgtag aatgattaat acatattcta caaggggcag taagggttagt 240
 aattctatag ggtatgtccc gacataattt tcaaattgta caataacaca aacaactttg 300
 ttaaggccat gttttatttg ctgattaatg gacaaaaggc aatgtaattt attttcaagt 360

atthtttttga aagtctgtgc tcataaaaat catgaaaagt tggaaagact gttaaatcac	420
tgaaacttca aatatatttt acacaatttt gtttgtacaa aaatacaagt taaatataaa	480
cataaagcaa tcatggtaat tttatgcaaa tctgtttttat gtgatcatca gttatatata	540
aaagttttctc agttctgtta tttgtgaaaa gatcaatacc agattgaatg actacctatt	600
ggcaaagggc cctaaaaagc ttacttttagc actcatcttt tacatgggta aatgcatttc	660
ctaatttgag atcacctaaa cactggaaaa gaaaaaaaaat gaaagggcag tatgtccata	720
aaccaacaaa taatttggct g	741

<210> 440
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 440	
ttgaggaagg gtctactgtc tttttaaatg gcacaatttt aagaggtttg agaggtag	60
tcccttaacc tgccacggga gagggggcccc caaactttct tccccccaca cttctggttt	120
tctgtgtgga gggggagcag ggatatctaa gctgtggtgt gaaagggtag gagagatgct	180
ggaggtgggg gtgctgtgtt cta	203

<210> 441
 <211> 874
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (134)..(134)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (185)..(185)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (374)..(374)
 <223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (675)..(675)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (735)..(735)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (741)..(741)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (766)..(766)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (773)..(773)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (793)..(793)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (796)..(796)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (809)..(809)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (835)..(836)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (839)..(839)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (844)..(844)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (849)..(849)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (856)..(856)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (860)..(860)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (864)..(864)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (870)..(870)
 <223> n is a, c, g, or t

<400> 441
 ttctctcggg aagcgcgccca ttgtgttggt acccggaat tcgcggccgc gtcgacattt 60
 tttttttttt ttttttttag aatgattaac aatttattga gttttattta tctacaaaaa 120
 tatagcaata cagngaactt caccaaattcc taaatattca gtacctgaac tggctacaac 180
 accngtgca caccagttc ctgcagaatc tcttgcagat atgggagagt cagccagtga 240
 aaagatccat ttcttgggaa tccttgtcaa caagaccagt tcagaaatcc aggatata 300
 gaagcctact gtaatttaaa aacagtaaca aaaaccccaa caaaacccaa atcaacaaag 360
 accaagataa agngtgata aacattaatt gtaatggttt tcctttacat gcaatacatg 420

cattttaaaa tcactaagaa acacgaaatt ttgtagagca aagtttgngt ttcacgtaag	480
tgcaaatgaa tatatatattt attttttata ctatttaaatt atatataatt tttccataca	540
aaagcacaca gtgttaatat ataaaaatgac atccaagtgg atgatgattg tttttgcatg	600
tccccctgct tagatattttt taaaatatat agtcaaaaat taacatcctt ctttaaaaat	660
acagaaggga aaaangggca aaaaaaaaaa tctagactcg agcaagctta tgcattgcatg	720
cggccgcaat tcganctcgg ncgacttggc caattcgccc tatagngagt cgnattacaa	780
ttcactgggc cgncgnttta caacgtcgng actgggaaaa ccttggcgtt acccnnctna	840
tcgncttgna acaatncccn tttngccagn gggg	874

<210> 442
 <211> 928
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (12)..(12)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (674)..(674)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (706)..(706)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (734)..(734)
 <223> n is a, c, g, or t

<220>

```

<221> misc_feature
<222> (768)..(768)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (779)..(779)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (783)..(783)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (796)..(796)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (817)..(817)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (822)..(822)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (824)..(824)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (829)..(829)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (837)..(837)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (841)..(841)
<223> n is a, c, g, or t

<220>

```

<221> misc_feature
<222> (846)..(846)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (854)..(854)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (857)..(857)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (867)..(867)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (872)..(873)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (879)..(879)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (894)..(894)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (896)..(897)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (904)..(904)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (913)..(913)
<223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (915)..(915)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (920)..(920)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (922)..(922)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (926)..(927)
 <223> n is a, c, g, or t

<400> 442
 tcacttcgta tngaantgt ttggacttgc tcaacaagac cttatcttaa caaaaagtaa 60
 cttatagaaa aggagacat tcatttaact tcaagcccat attattctta aaagctgact 120
 cttgaaatag tatttattga gtcatagtgg agtcatggga ctttttaagg gccggaaggg 180
 actatttaga tcatccagtc ccaccctgtc attttatgga ggaggaaact gaggcctaga 240
 taagataacc agttagtggg tccactgacc tttaggacag tagtctatcc gtaagagaca 300
 acatggagaa agaaatacaa cgtttttata gtgaattatc atcttacaaa gaatattctt 360
 cccatatcgc acttttataaa agtgggtacc ttagtcaaat aggagaaaaa accacttgag 420
 tagtttcatc ctcagggtttt aggtgaggaa actgatactc agattaaata actttaagca 480
 cacagagcct gaatgatagt cttatttgag ctcatctgtg cttttaatgt gtactacgtt 540
 aggtgttttc acttgcattt ccttttagtct tatttgagct catctgtgct tttaatgtgt 600
 actacgttag gtgttttcac ttgcatttcc ttgtttgacg ttgacaataa atcgtgaagc 660
 tgccttatct aagnagtcct aaagtaaadc attggaacac atgtanccag tttgttgttt 720
 ttatttgcca ggtntcaaata ataactgaaa acccatgcta actgactnat tttaaaagnt 780
 gtntggggca tgaaangatt gctctgcctg ggcgggnggt tnancctgng tccccntttt 840
 nggagnccac ccangangcg atatttnagg gnngattcna aaccctggc acngnnaac 900

cccntttttta aananaaaan ancggnng

928

<210> 443
<211> 954
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (716)..(716)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (722)..(722)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (749)..(749)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (774)..(774)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (782)..(782)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (784)..(784)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (788)..(788)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (818)..(818)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (823)..(823)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (825)..(825)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (827)..(827)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (832)..(832)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (858)..(858)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (860)..(860)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (862)..(862)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (865)..(865)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (868)..(868)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (879)..(879)
<223> n is a, c, g, or t

<220>

```

<221> misc_feature
<222> (883)..(883)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (886)..(886)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (890)..(890)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (892)..(892)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (895)..(895)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (912)..(912)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (914)..(914)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (916)..(916)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (921)..(921)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (926)..(928)
<223> n is a, c, g, or t

<220>

```


<221> misc_feature
 <222> (934)..(935)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (939)..(939)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (941)..(941)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (945)..(949)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (953)..(953)
 <223> n is a, c, g, or t

<400> 443
 ttgtgttggg acccggaat tcgcggccgc gtcgacggag ttttacctta ttacacttta 60
 atctctggat ttaccccatc tcatttctct tttaggaaaa ctgtttgtat gtggtggctt 120
 tgatggttct catgccatca gttgtgtgga aatgtatgat ccaactagaa atgaatggaa 180
 gatgatggga aatatgactt caccaaggag caatgctggg attgcaactg tagggaacac 240
 catttatgca gtgggaggat tcgatggcaa tgaatttctg aatacgggtgg aagtctataa 300
 ccttgagtca aatgaatgga gcccctatac aaagattttc cagttttaac aaatttaaga 360
 ccctctcaaa ctaacaggct tagtgatgta attatgggta gcagaggtac acttgtgaat 420
 aaagaggggtg ggtgggtata gatgttgcta acagcaacac aaagcttttg catattgcat 480
 actattaaac atgctgtaca tactttttgg gtttatttgg aaaggaatgc aaagatgaag 540
 gtctgttttg tgtactttta agactttggt tattttactt tttggaaaag aataaaccaa 600
 gaattgattg ggcacatcat ttcaagaagt cccctctcct ccacatttgt tttgccaatt 660
 tgcacattaa atgactcttc cctcaaagt gtactatggg gtaaaagggg tagggnttaa 720
 anatgtaaac agttggggtt tttaagggnc ctttttcata actggaacac tctntacaag 780

gntncttntt aaataaataa cttgactttt ttgtttnta aangnanctt cntgcttcca	840
taaaaaaaaa aatttaantn gncanctntg ctgctgcgnc canttngctn gnccttggca	900
ttccctaggg angntnaata ntggcnntt aacnnggcng naacnnnnnc cant	954

<210> 444
 <211> 787
 <212> DNA
 <213> Homo sapiens

<400> 444	
gggcgatgca tgctttatta aggctcttgt ttcacctggc agtgtactgt atcaacgtat	60
aatacagaaa aaaaatctct ttaaggctct ccttcacaaa gacatagagt gaaactccct	120
ttacatgtca gtatttggtc aacactttag gcaacttgac tgtcagtgtt aaaatggaaa	180
acaggaaaat ggaaaaatct gaccaattct gccaccttga gactttcata tagaccttgc	240
acaacaattg tatagatcac acaccggctg tatttaatat gtaacatttt cacacatatt	300
aaagatacag aagtattaaa aaacccccaa tgттаатgta ttgcttaaa aggcacaagt	360
ttcacatatc tgtctagcta tctgttggtg atacagaaag tatactactt ttttaaaaaa	420
gtgggcagaa ttcttggtgta tgtatatttg tgtgtacagt atgtgtatgt gtgtatatat	480
atatattata tatatagata atatataaat atttttttta aggagaaact agaatgttta	540
gctagaaaat tccacagcct gtgaagaaat atttcaaat ggccataaag gaggtaaaaa	600
tgaaaaccat aacctaactt ttatagaggc tttatcttta atttaacgat gtgcggagga	660
ctttcttgct tgaatctgtt ccgggctgtc tgctctgtcc atcaaattggg caggtctggg	720
aatgaggcac cttcggccgt tcagaagtgg cctgaacaga atgctggaac ccaggctgga	780
ctcggac	787

<210> 445
 <211> 689
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (673)..(673)
 <223> n is a, c, g, or t

<400> 445
 caaacctgca tgttctgcac atgtatccag gaacttaaaa aaaaaaaaaag atagtttgtg 60
 tgtcttaatt gaataatagt agatttatag attaaagatc tatggggtttt taatatggat 120
 tagaaatctg tgggtttttg atatggatta gaaatctgtg ggtttttaata atggattgga 180
 aatctgtggg tttttaatat ggattaaaaa acatctgtgg gtttttaata tggattaaac 240
 atctgtgggt ttttaatatg gattaaacat ctgggttttt aatatggatt aaacatctgt 300
 gggtttttaa tatgggttaa aaatcaaaag aaaatgaact atttgctcca gtgcaggaaa 360
 atacaggcaa tactggatac aattagatgg tcaggagcga taacccggtt gccattgttt 420
 gaagaagaga ataaggtgct agcattccta tccgtagata atttgacagc taggaaatag 480
 ggggagtctt ctatgtagtt agtgaaggct aaatgaacta ttatatgcag ttatcgtaga 540
 agagtactca aaaaaatctg taaaaaataa agaaaggccg ggcgcggtgg ctcacgcctg 600
 taatcccagc actttgggag gccgaggcgg gtggatcatg aggtcaggag atcgagacca 660
 tcctggctac canggtgaaa cccccgtct 689

<210> 446
 <211> 688
 <212> DNA
 <213> Homo sapiens

<400> 446
 caagactcca tctcaaaaaa aaaaaaaaaat ctacagtgct gagtatataa aattattaac 60
 acatttcaca acaatatgtg tttgtggagt taaatatttt ttgtctttaa aacaggtaat 120
 tttagtgcac acttaatttg atgattaaat atggtagaat taagcatttt aaatgttaat 180
 gtttgttaca ttgttcaaga aataagtaga aatatattcc ttgttttttt atttaaattt 240
 ttgttcctct gttaaactaaa agaacacgaa gtaattggtc acaattactg gtgtttaact 300
 gccaaatatg ggtaaataag ggaaaatttt gtttaatat tagtccttct gagatggctt 360
 gaatatttga attttgttgt acgtctatac tgggtagtca caagtcttat aaacacttta 420

gaggaaagat ggatttcagt ctgtattttt aaacatcatt tattttaaat ctggtgctga	480
aaaataagaa aaaaattaaa ctgcattctg ctgttcttct ttagaagcat tcctgcgtaa	540
atactgctgt aatactgtca tgcaaagtgt atcctttctt gtcgtatcct ttttggggca	600
gtgttttttt gtttttttcc tagaaatgtt tgtccttccc ccacctgttg atccaggtta	660
aggaatactt ttttacactt tattcaaa	688

<210> 447
 <211> 724
 <212> DNA
 <213> Homo sapiens

<400> 447	
cttttcctcc cgctgtcccc cacggagggg actgctctcc cccgctgcat cctttctgtg	60
aggtacctta cccacctcag cacctgagag ggtgaaatag aattctaacc tcgacattcg	120
ggaagtgttt ttgagaagtc tcggtcggta aggggaagtct tccaagtccg tgcagcacta	180
acgtattggc acctgcctcc tcttcggcca cccccagat gaggcagctg tgactgtgtc	240
aagggaagcc acgactctga ccatagtctt ctctcagctt ccactgccgt ctccacagga	300
aaccagaag ttctgtgaac aagtccatgc tgccatcaag gcatttattg cagtgtacta	360
tttgcttcca aaggatcagg ccctgagaac aatgacctta tttcctacaa cagtgtctgg	420
gttgcggtgcc agcagatgcc tcagatacca agagataaca aagctgcagc tcttttgatg	480
ctgaccaaga atgtggattt tgtgaaggat gcacatgaag aaatggagca ggctgtggaa	540
gaatgtgacc cttactctgg cctcttgaat gatactgagg agaacaactc tgacaaccac	600
aatcatgagg atgatgtgtt ggggtttccc agcaatcagg acttgtattg gtcagaggac	660
gatcaagagc tcataatccc atgccttgcg ctggtgagag catccaaagc ctgcctgaag	720
aaaa	724

<210> 448
 <211> 622
 <212> DNA
 <213> Homo sapiens

<400> 448

caagaactct gggacatttg caaagggtat ggcataatgtg taatgggaat accagaggag	60
aggaaagaca ggaagtcaaa aaaagaattt ttccaaatta atgatagggtt ccaaaccaca	120
gatgcaggaa gcttaaacac caacaggata aataaaacaa aatctacgct taagcatatc	180
atacttaacc tgcagaaaat tacagacaaa gaaaaaacac cagaggggaa gctggcagaa	240
acataccacc tatagcggaa gaagaataag aattacatca gacttccctt cagaaatctt	300
gcaaacaaaa agatgtagca caatatttaa agtattaaag gaggccgggc ccggtggctc	360
gggcctgtaa tcctaacact ttgggaggct gaggcaggag gaccatgagg tcaggagatc	420
gagaccatcc tggatgatgt gatacccat ctctactaaa aatacaaaaa attaaccggg	480
catggtgaca cgcacctgta atcccagcta cttgggaggc tgaagcagga gaatcgtttg	540
agcccaggag gtggagggtg cagtgagccg agatcacatc actgcacgcc tgggcaacag	600
agcgagactc catctcaaaa aa	622

<210> 449
 <211> 834
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (716)..(716)
 <223> n is a, c, g, or t

<400> 449	
cgacccgttt tagtcaggat ggtctcgatc tcctgacctc gtgatccgcc tgcctcggcc	60
tcccaaagtg ctgggattac aggctgagc caccgcgccc ggcgtaaatc aggtttttta	120
aatgtttgcc aaaccttatc actgactttt ataacaaaat tatttactat aatcattagg	180
gaatatttaa gttctgctaa tacttaaaat tgcagagtgc taaaaccagc agtgagttta	240
gaatcaagct aagctttatt gttgctacta tttgaggcat attagttgac tgggtgtcat	300
atgcaaggca gtctactggg tgcaacaagg gttagaagga tattttttaa aaactgaccc	360
tattctcagg atgaaaataa tacactagta atagtctgct ctggttggtta actcctcgta	420
aggaggtaca attaaaatgc tgtagtgttg caagggaagg agaggaagaa tcatattcct	480

tcactagcag gatcaagaaa gcttttatag aaatatacaa aatcttcact tcttgaagga	540
ttggtaaaat ttaatagcca acattgggca cttattcatt ctctgagtaa atatttattg	600
catgcttatt ttgtatcaag cattgtgatg aaagcacaag aatgaaagag gagggagaat	660
gttttagagaa taagggctga aacacagatt ttgtaggag cgtaggggag actganaaga	720
cagggttcagg ttagtaaggg cgctcatatt ttgaccctga atgttaacta tgtgcacatc	780
atgctagcta ttctaaatca ggcattttca aatggaagca ggcactgaca tttt	834

<210> 450
 <211> 624
 <212> DNA
 <213> Homo sapiens

<400> 450	
cgtgaagggg ctttatgtat tagtattaga gtgatctttt gattattttc ctcactataa	60
ggaaattatt tcctcaggat gagctgccat aacattccac tgtctgatgg caattttaaa	120
gcctgaaatt gaagcccatg gctaggctat gagaacccta gtctgtatag taaagttgat	180
atcttctgga tgtataactaa ttttaggctt tatttttaaaa ctgctggaaa ctgaaactta	240
gacaaaagta ttttcaggac atcatttaca atgtttagcc ctaaagagtc aagctgtggg	300
attctgagtc tttcatatgt tacagcagaa acttaaaagc aagaggaaat tggctgggca	360
cagtggctct gtaatcccag cactttggga ggctgaggtg ggtggatcat gaggtcaaga	420
gattgagacc atcctagcca acatggtgaa accccatctc tactaaaaat acaaaaatta	480
gctgggcgtg gtggcacacg cctgtaatcc cagctagtca ggaggctgag gcaggagaat	540
atcttgaact tgggaggcag aggttgcagt gagccaagat tacatcactg cactccagcc	600
tggtgacaga gcgagactcc gact	624

<210> 451
 <211> 966
 <212> DNA
 <213> Homo sapiens

<400> 451	
ctgaaactgc actgaacca caggtagggtt acatcacagg acagaaatct gaggagctgg	60

agaaagcaaa agaataaagg atgggctgac accagaagga attaaaggaa tttttatact	120
gaacttcaat tacttggtca tttgaagttt gtttttttaa tgaacgtttt tgctgttact	180
taaatatagt gttttgaaag tgtttcaaat gtattcaagt tgggattttc catattttac	240
tacagttctg tcttagtatg ttcaccataa aacacttatac attaaagctc acaaagtgc	300
tttttgtaat atgaggataa aatgaagcca tataagaatt tttttatatac tgtacattta	360
accacattt gagcttttagc caaaatatat agctttttttt tttctgacct ggccaacgta	420
ttatccagca aacatcaact gaagcaatat ggaaacactt ccaaagtgtt gccataatg	480
ctattaagtg actgatgtca acattagtta catggcaaac taaagaggca ttatacattt	540
ttaaaacaca ctaacatata actgtagata atgtaagggt tatttatatg catatttcat	600
agtatattta aatgttttaa tataaaaaag gggtttttaa cacttttaat ttttatcttt	660
gatttttttt attgatatct ctttccaggc tactaataaa attgccagaa ctaaactatac	720
aggtaaagggt taaggcatca attgacaagt aagttttcta atttcgtttt gaattacaat	780
tccaaatgta agacttttaa aaatgaatgg cttttatttt atagaataat tttgacctt	840
taaatttact tatctaacad tatataatga atgtacttca aatatttgac tttgaagtca	900
acattaacaa attcatggat cctaattaaa atttactata aaactggaat cattttattac	960
ttcctt	966

<210> 452
 <211> 725
 <212> DNA
 <213> Homo sapiens

<400> 452	
tttttttttt tttaaaagag atgggttctc actatgttgc ccataatgtt tatgagatta	60
agttcatctt ttttatctga gtagtatttt attgtatgaa tataccacca tttattttac	120
tgttggttat ttccagtttt gggctataat ccaaaatgct tttttcaaac aataggctat	180
atatcattaa tgtccgttta tcagcagtat aaaatatctt accataaata ttaataaaag	240
aagcattcat atataaaata tagatatttc aaaccctaca gagggccttt taatgattaa	300

atattttgtc cttacaaaaa ggtccaggta attacacca tgaggttaac ctgccttagt	360
gcaggactta aaataaggct tctcctgcc tctctctcca tttgtagaat gtgaaattct	420
ttaaaatgca tcctatatta ggaatactat agctgtgcac tgggtgttgt tctcttcttt	480
aaactcggga ccgtatatat ctgctcaaat tgcccaagta tacatatgct gcaactccatc	540
aagtgtcagg ccacattcta tcagcacagc gtgactgcct atcagtgaca atataagtga	600
gctctatttg gatccctctt accctacctt ttatatattat gacagcatta tcataaaact	660
ccaatattct tcaataactt acatgtttgt tgtaggataa aattattacc ctcaatgaac	720
tacat	725

<210> 453
 <211> 715
 <212> DNA
 <213> Homo sapiens

<400> 453	
accagcttct tcacaggttc cacgagtcac gtcaacacag cgtgttgcta acacatcaac	60
acagacaatg ggtccacgtc ctgcagctgc agccgctgca gctactcctg ctgtccgcac	120
cgttccacag tataaatatg ctgcaggagt tcgcaatcct cagcaacatc ttaatgcaca	180
gccacaagtt acaatgcaac agcctgctgt tcatgtacaa ggtcaggaac ctttgactgc	240
ttccatgttg gcatctgccc ctctcaaga gcaaaagcaa atgttgggtg aacggctggt	300
tcctcttatt caagccatgc accctactct tgctggtaaa atcactggca tgttggttga	360
gattgataat tcagaacttc ttcatatgct cgagtctcca gagtcactcc gttctaaggt	420
tgatgaagct gtagctgtac tacaagccca ccaagctaaa gaggctgccc agaaagcagt	480
taacagtgcc accggtgttc caactgttta aaattgatca gggaccatga aaagaaactt	540
gtgcttcacc gaagaaaaat atctaaacat cgaaaaactt aaatattatg gaaaaaaaac	600
attgcaaaat ataaaataaa taaaaaaagg aaaggaaact ttgaacctta tgtaccgagc	660
aaatgccagg tctagcaaac ataatgctag tcctagatta cttattgatt taaaa	715

<210> 454
 <211> 573

<212> DNA
<213> Homo sapiens

<400> 454
acattctgga aaaggcaaaa gggaggaaga actgattagt ggtagccca gggtagagt 60
tgaggagagg atataatgag ggaacttttg tggattctgt accatgatta tgattacaca 120
aacctatgca tacattgaaa cacatagaac tatacgttga aaaaagtga tctgcctgta 180
tgtaaattta aaagaaaaat atttttttta aaaaacagat gcttcttaac acattatcat 240
ctatgtcagt ttaacagtta gtagacttag gccaggtgct atggctcact cctgtaatcc 300
cagtgccttg ggagtctgag gtgggacgat ctcttgagac taggagggag tttgagacaa 360
acctaggcaa tgtaatgaga ctctttctct aaaaaaatt ttaaagttat ctggacatgg 420
tggtgcctgc ctgtagtccc agctacttgg gaggtgagg tgggaggatt ccttgagccc 480
agaagttcaa ggctacagtg tgctatgata gagccactgc actccagcct gggcaaccag 540
gtgagacctt gtctctaaaa tgaataaata aat 573

<210> 455
<211> 498
<212> DNA
<213> Homo sapiens

<400> 455
tggtctttca ccagccagg gagaaggttc ttcgctcagt atgaagaaaa gcaacccaaa 60
actctcaatc tgatttgttt ttgtttatgt cgatgccctg tagtttgaaa gtgaagtaaa 120
gatttagaat tcacctaat ccaaaggaaa acacgtgggt tttaaagcca ttaggtaaaa 180
aaagttctca ataaaggcat tacaattttt taggtttaga aagatggact tttctgataa 240
atcttggcag acatctaaaa aaaaaacat atttttcaca agaaaatgca agttactttt 300
tttggaata atactcactg attatggata aaatggaata ttttcagata ctatattggc 360
tgtttcaaaa tagtactatt ctttaaactt gtaatttttg ctaagttatt tgtctttggt 420
gtatctataa atatgtaaaa aatattttaa tagatgtacc tgttttgctt tcacacttaa 480
taaaaaattt ttttttgt 498

<210> 456
 <211> 732
 <212> DNA
 <213> Homo sapiens

<400> 456
 cgggatccct agtataacac attcagtgtt cccctttcag tcttactact ttgaccgcga 60
 tgatgtggct ttgaagaact ttgccaaata ctttcttcac caatctcatg aggagagggga 120
 acatgctgag aaactgatga agctgcagaa ccaacgaggt ggccgaatct tccttcagga 180
 tatcaagaaa ccagactgtg atgactggga gagcgggctg aatgcaatgg agtgtgcatt 240
 acatttgga aaatgtgaa tcagtcacta ctggaactgc acaaactggc cactgacaaa 300
 aatgaccccc atgtgagtat tggaacccca ggaaataaat ggaggaaatc atttgcctta 360
 gggattggga aagctgcccc ctaactgtct tccccattgt tttgcagttg tgtgacttca 420
 ttgagacaca ttacctgaat gagcaggtga aagccatcaa agaattgggt gaccacgtga 480
 ccaacttgcg caagatggga gcgcccgaat ctggcttggc ggaatatctc tttgacaagc 540
 acaccctggg agacagtgat aatgaaagct aagcctcggg ctaatttccc catagccgtg 600
 gggtgacttc cctggtcacc aaggcagtgc atgcatgttg gggtttcctt taccttttct 660
 ataagttgta ccaaaacatc cacttaagtt ctttgatttg taccattcct tcaaataaag 720
 aaatttggtg cc 732

<210> 457
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 457
 tgcgcagacc agacttcgct cgtactcgtg cgcctcgtt cgcttttcct ccgcaaccat 60
 gtctgacaaa cccgatatgg ctgagatcga gaaattcgat aagtcgaaac tgaagaagac 120
 agagacgcaa gagaaaaatc cactgccttc caaagaaacg attgaacagg agaagcaagc 180
 aggcgaaatcg taatgaggcg tgcgcgccca atatgcactg tacattccac aagcattgcc 240
 ttcttatattt acttctttta gctgtttaac tttgtaagat gcaaagaggt tggatcaagt 300
 ttaaagact gtgctgcccc tttcacatca aagaactact gacaacgaag gccgcgctg 360

cctttcccat ctgtctatct atctggctgg caggggaagga aagaacttgc atgttggtga	420
aggaagaagt ggggtggaag aagtgggggtg ggacgacagt gaaat	465

<210> 458
 <211> 788
 <212> DNA
 <213> Homo sapiens

<400> 458	
tataaatata ctccgggatg atttaccccc ggaggtcagc tagtaaaata catgagtaga	60
attccttaaa gtatgtgata attgctcatc actatccaag tgtgacataa atcataaaaa	120
gaattgacaa aatcagggtc gcaaagagaa ttgaaaaaaaa tctgtcacia ccaaaattta	180
aattgacctc tgtcctagag tatgagagcc aactgaaca gaaaaaccag ataaatcttt	240
tataaaatat tcatttgcag ccccatatac gttgcttgtc accccacctc cccatgtcct	300
tggacaaact gaatgtatag taacatcatc ccaggccagg cgcggtggct catgcctgta	360
atcccagcac tttgtgaggc taaggcaggc agatcaggag gtcaggagtt caggaccagc	420
ctggccaaaa aggtgaaact ccgtctctac taacaataca aaaattagct ggggtgcggta	480
gtaggcgcct gtaatcccag ctactcggga ggctgaggca ggagaattgc tcaaaccggg	540
aagggtggagg ttgcagttag ctgagatcgt gccactgcac tccagcctgg gtgacagagc	600
aagactctgt ctcggggagg ggggtggcgg agataaagaa ataacatcat cttatactgt	660
caagctcaag gtgtctgcag ccttatcttc aggggaagtt gtgtctttct caggggaagat	720
acagatttca atttagagca agacagagag aagttacatt cagagaggaa aatgcagtag	780
tctaactg	788

<210> 459
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 459	
gcggccgcgc tcttttcaat ttttaaaaag aagtttgttt tccatttcag taatttctgc	60
tttgatcttc cttatgtcct cctattgagt tgatcagctt tctttattct tgccttttct	120

cctctgtgtg ccctttctat taacgtatTT acccttaggc tgggcacaat ggctgatgcc	180
tgtaatccct gcactttggg aggccgaggc aggtggatca cctaaggtca ggagttcaag	240
accagcctgg ccaacatggt gaaacctggt ctctactaaa aacacaaaaa ttagccaggc	300
atggtggtgt gcacctgtaa tcccagctac tcaggaggct gaggcaggag aattgcttga	360
acctgggagg cggagattgt gccaaagcac tccagcctgg gcaacaaaat gagactttgt	420
gtc	423

<210> 460
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 460	
caccaggctg tcttcagata cttcatacag aaatgagcct ccctgtgggg tcctcttccc	60
tccttcagcc tgtccatcaa cacagcattg cgggatcctt accatggcat ccagccctgg	120
agatgcttca ggaaagtgtc aggtccatgc tgcaggacag gctcagatca gcagagacgc	180
atctcacatc gggctgtgaa attcaagttg agctgcaatt ggcaatgaga a	231

<210> 461
 <211> 687
 <212> DNA
 <213> Homo sapiens

<400> 461	
gttattcact gagaccgtgc cccggttatg aggttgtacc agaaagcaag tattcactat	60
gcacactatt caccgctcac cctagcattg aagccagcct gtagcctgaa agcctttgct	120
ttgagggcag gtctttcccc aaaatgcaga cacgaagggtg caaagtgaag ctgccagtct	180
tgcaaaagat gtaacttgtc acgaaggcca cgagtggcag ggagagctgt cccacatttg	240
cggaagtggc tatgtgagga cgggggaggc gggccctta gagatgagac aatcataagg	300
ggagatatca gagaaaatcg taaggggagc agatggttgt caagagaata ggctgaccat	360
cgaaggactg gcagaagctt tcagaaaacc actggacggc tgggcacagt ggcttaggcc	420
tgtaatccca gcactttggg aggctgacgc aggtgaatca cttgaggtca ggagttccag	480

accagcctgg ccaacatggt gaaaccccat ctctacagaa aatataaaaa ttagccaggc	540
gtggtggcac aagcctagaa tcccagctac ttgggaggct gaggcaggcg aatggcttga	600
accaggaggt cagaggctgc agtgagtcga gattgttcca ctgcactcca gcctgggtga	660
cagtgaaga ctccttccaa aaaaaaa	687

<210> 462
 <211> 874
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (717)..(717)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (754)..(754)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (810)..(810)
 <223> n is a, c, g, or t

<400> 462	
ttcgtgagtg atggcgctccc gggttgcttg ccggtgctgg ccgccgccgg gagagcccgg	60
ggcagagcag aggtgctcat cagcactgta ggcccgaag attgtgtggt cccgttcctg	120
acccggccta aggtccctgt cttgcagctg gatagcggca actacctctt ctccactagt	180
gcaatctgcc gatatTTTTT tttgttatct ggctgggagc aagatgacct cactaaccag	240
tggctggaat gggaagcgac agagctgcag ccagctttgt ctgctgccct gtactattta	300
gtggtccaag gcaagaaggg ggaagatgtt cttggttcag tgcggagagc cctgactcac	360
attgaccaca gcttgagtcg tcagaactgt cctttcctgg ctggggagac agaattctta	420
gccgacattg ttttgtgggg agccctatac ccattactgc aagatcccgc ctacctcct	480
gaggagctga gtgccctgca cagctgggtc cagacactga gtaccagga accatgtcag	540

cgagctgcag agactgtact gaaacagcaa ggtgtcctgg ctctccggcc ttacctccaa	600
aagcagcccc agcccagccc cgctgagggga agggctgtca ccaatgagcc tgaggaggag	660
gagctggcta ccctatctga ggaggagatt gctatggctg ttactgcttg ggagaanggc	720
ctagaaagtt ttgccccgc tgcggcccca gcanaatcca gtgttgccctg tggctggaga	780
aaggaatgtg ctcatcacca gtgccctccn ttacgtcaac aatgtcccc accttgggaa	840
catcattggt tgtgtgctca gtgcccgatg tctt	874

<210> 463
 <211> 585
 <212> DNA
 <213> Homo sapiens

<400> 463	
cagtgcagcca agatcacacc actgcactcc agcctggaca acagaacgag actccatata	60
aaaaaaatta aattaaata taataaatTT cttgccgggc gcagtggctc acacctgtaa	120
tcccagcact ttgggaggcc gaggtgggCG gatcacgaag tcaggagatt gagaccatcc	180
tggctaatac agtgaaaccc cgtctctact ataaatacaa aaaattagct gggcatggtg	240
gcgggcgtct gtagtcccag ctactcagga gtctgaggca ggagaatggt gtgaacccgg	300
gaggcggagc ttgcagtgag ccgagatcgt gccactgcaa tccagcctgg gcagcagaac	360
gagactccat ctcaaataaa taaataaata aaatgaattt cagctagaag agccttattc	420
cattttcctt tttattaaac atctggcata agttggtaag tatgtgaagt ttatcatata	480
ttcttatgCG aattattatt ttgcctttt tttttataat tctgtctggg atttgaatag	540
tagagtttga attcaggaag gacacctgtg ataggacaat aaaat	585

<210> 464
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 464	
ctgattgcaa aaacattaca actcagtact gcggctttca ttcaaatagg ttatatgtat	60
aaactgaggt tcaacaatat tgtatttgag atgggaaagt taaagaaatg caataatgta	120

aataatactt aagaaaataa gatctcagga aactgtgtat actctgtact tttatgcaac	180
tttatcagat catttcagta tatgcatcaa ggatatagtg tatatgacat gaactttgag	240
tgcaaaaact gtactatgta ccttttgttt attttgctgt caacatctaa ataaagggtt	300
ttttg	305

<210> 465
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 465	
cgaaaggact acagagcccc gaattaatac caatagaagg gcaatgcttt tagattaaaa	60
tgaaggtgac ttaaacagct taaagtttag tttaaaagtt gtaggtgatt aaaataattt	120
gaaggcgatc ttttaaaaag agattaaacc gaaggtgatt aaaagacctt gaaatccatg	180
acgcagggag aattgcgta tttaaagcct agttaacgca tttactaaac gcagacgaaa	240
atggaaagat taattgggag tggtaggatg aaacaatttg gagaagatag aagtttgaag	300
tggaaaactg gaagacagaa gtacgggaag gcgaagaaaa gaatagataa gatagggaaa	360
ttagaagata aaaacatact tttagaagaa aaaagataaa tttaaacctg aaaagtagga	420
ag	422

<210> 466
 <211> 833
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (830)..(830)
 <223> n is a, c, g, or t

<400> 466	
gtccagnaga aagttcagtg acttgtccag agctgcaggc cttaagaggc tgaaatctcg	60

cctctgcctc gaggetgcgg ttccactgac ccatactact tgccttcagg aaagagaaat	120
ggtgtaggaa ggctgtggat gaagacgctt acattcatga aggatttgga taggcgaaca	180
tgagcttttc caccaaattt cagaatttta agaaatgcct taaattattt cttaaaaatc	240
aatttggggc agacgagaag ttctgataat agtttttagg gaacatgata aaattctgac	300
cttagaagtg gtataccagt ttgagaagaa gaacaagcta taaacgggtgt agataacatt	360
cacggctatt taagaaagag ttactaaggg aaaccagaat gacttaagag tgttactctt	420
ctttttctga gagaacaata gcatcatctc agaaagcctt tcatgccatt aataggtaag	480
aatctgggct tcttggacca tgggttagac tttcttacia aaccataata tgcatttcct	540
agcaaaattt atgctattac atttccttat ctcaacaaag actggtaaatt tcagtactta	600
ttcctcaatt ttcctaccct taaaatgggg atattctgcc tctccaagga atgctgggaa	660
caagcaagtc ctcatgtag gggctcttga gttttcatgg aagtttaggt tatttatatg	720
atgacatagt tgtcaactta ctttcaggat ggacttttct tttgtgagtt tgtgacctaa	780
atacaatagt tgttatgcat gtccagttta tggaagtacc actgcaatan cag	833

<210> 467
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (54)..(54)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (83)..(83)
 <223> n is a, c, g, or t

<400> 467	
cagtgcagcc aagtatcaca ccactgcact ccagtcctgg acaacagaaa cgantactcc	60
atatcaaaaa aattaaatta aangataata aatttcttgc cgggcgcagt ggctcacacc	120
tgtaatccca gcactttggg aggccgaggt gggcggatca cgaagtcagg agattgagac	180

catcctgggt aatacagtga aatccccgtc tctactataa atacaaaaaa ttagctgggc	240
atgggtggcgg gcgtctgtag tcccagctac tcaggagtct gaggcaggag aatgggtgtga	300
acccgggagg cggagcttgc agtgagccga gatcgtgcca ctgcaatcca gcctgggcag	360
cagaacgaga ctccatctca aataaataaa taaataaaat gaatttcagc tagaagagcc	420
ttattccatt ttccttttta ttaaacaatct ggcataagtt ggtaagtatg tgaagtttat	480
catatattct tatgcgaatt attattttcg cttttttttt tataattctg tctgggattt	540
gaatagtaga gtttgaattc aggaaggaca cctgtgatag gacaataaaa tcta	594

<210> 468
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 468	
gaaagcacat atgatataca tgtgtgtcat atgtattatt ttgtttgccca tctgagtctt	60
caaaatttgt tacagaatac ctgcatatta atattttcaag gtatggatta at	112

<210> 469
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 469	
ctgagtatta actaaaaaaaa aaaaaaaaaa aaaaaaaaaa	40

<210> 470
 <211> 933
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (740)..(740)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (801)..(801)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (878)..(878)

<223> n is a, c, g, or t

<400> 470

ccaaacccaa ctggtccagt aggatactca ccttacaggg ggcgtctcaa gagtctcaca	60
gttccttgg gtcttaagag actcactggt ggaccaggcg tggtgactca cgctgtaaa	120
accagcactt tgggaggccg aggcgggcgg atcagttgag gtcaagagtt caagaccagc	180
ctgaccaagg tgctgaaacc cegtctctac taaaaataca aaaattagcc aggcattggtg	240
gtgtgcgcct gtaatcccag ctactccaga ggctgaggca ggagaatctc ttgaaccag	300
gaggtggagg ttgcagtgag tcgagatcat gccactgcac tccagcctgg gtgacagagc	360
gagactccgt cttagaaaaa aaaaaaaaaa aaaaaagaac ctcacagttc agcagggttc	420
tagcatgaga caatgaggac aagggtaggt gaggagggtg aaagagtgag aacagggtcaa	480
ttgtgatgga gaaaataata aagacagaaa aggcagaaga ctgcctggca gaagacctgt	540
cccagcagat aaaaaatac agacaacagg agccagcata gacccttgac ctgtgtaagt	600
ctttctcagg ctttctttta agtagaaaca tgcctttgaa aaaaagtttt aataaacagg	660
aaaatcataa atccctattt acataaataa tatatcctgg tcttattctt aaaaccattg	720
atttttcacg gctcattaan aaagctgggc gaggtggctc acgcccgtca tcctagcact	780
ttgggaggcc gaggcgggca natcacaagg tgaggagttg ggagaccagc ctgaccaaca	840
cggtgaaacc cagtctctac taaaaataca aaaattanct ggggggtggtg gtgtgtgcct	900
gtaatccaag ctactcgga ggctgaggca gga	933

<210> 471

<211> 896

<212> DNA

<213> Homo sapiens

<400> 471

cttactacct ccaacatgaa acaagcagcc ccgcacttct cgaaggctctg agttacttgg	60
aatcgtttta ccacatgatg gacagaagga atatttcaga tatctctgaa aacctcaagc	120

gttaccttct tcagtatttt aagccagtga ttgacaggca aagctggagt gacaagggct	180
cagtctggga caggatgctc cgctcggctc tcttgaagct ggctgtgac ctgaaccatg	240
ctccttgcac ccagaaagct gctgaactct tctcccagtg gatggaatcc agtggaatat	300
taaatatacc aacagatggt ttaaagattg tgtattctgt gggtgctcag acaacagcag	360
gatggaatta ccttttagag caatatgaac tgtcaatgtc aagtgtgaa caaaacaaaa	420
ttctgtatgc tttgtcaacg agcaagcatc aggaaaagtt actgaagtta attgaactag	480
gaatggaagg aaagggtatc aagacacaga acttggcagc tctccttcac gcgattgcca	540
gacgtccaaa ggggcagcaa ctagcatggg attttgtaag agaaaattgg acccatcttc	600
tgaaaaaatt tgacttgggc tcatatgaca taaggatgat catctctggc acaacagctc	660
acttttcttc caaggataag ttgcaagagg tgaaactatt ttttgaatct cttgaggctc	720
aaggatcaca tctggatatt tttcaaactg ttctggaaac gataaccaa aatataaaat	780
ggctggagaa gaatcttccg actctgagga cttggctaata ggttaatact taaatgggtca	840
atagaaaaag taggctgggc gcggtggctc acgcctgtaa tcccagcact ttggga	896

<210> 472
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 472	
aaaattttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	60
tttttttttt tttttttttt tttttttttt tttttttttt ttttttttttca gtgttaaagt	120
aggtttgtcg acgcggccac gaatttcccg gggaccaa	158

<210> 473
 <211> 896
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (58)..(58)

<223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (102)..(102)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (112)..(112)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (159)..(159)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (234)..(234)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (236)..(236)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (293)..(293)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (322)..(322)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (434)..(434)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (476)..(476)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (483)..(483)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (502)..(502)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (548)..(548)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (556)..(556)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (781)..(781)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (813)..(813)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (868)..(868)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (896)..(896)

<223> n is a, c, g, or t

<400> 473

tttttttttt tttttgggag tcagttttct tttcttttct ttcttttttt ttttttgntt 60

ttcggaacg gagtctcgct ttctcgccca ctctggagtg gngcagtggg gnggtctcag 120

ctcaccacag cctccacctc ctgggccc aa gcgatcctnt cacctcagcc tcctgcgtag 180

ctgggactac aggcgtgcac caccattccc aggtaatttt tgtatttttt gtananacag 240

ggtttcaactg ttgttgccca ggctgggtctc gaactcctgc ttcagtctgc canaatgctg 300

gattctagggc gtgagccacc gngcctggcc caaaagttac ttttcttaca gaagcaaagc 360

tttaatgcat	tttactgaat	gcttatagct	ttgtagatac	tgaaaagagt	atgagcgtca	420
catacagaca	catntaacag	cactgcctcc	aaccagcccc	taccactgg	tcaggngagt	480
aanaatcaaa	attcttttct	gngagtggaa	cggaaatttc	atctctcctc	ctcaggcaag	540
tagttaanag	gctggnngga	gtcatggccc	cattttgttc	aaaatacaag	ctccacagga	600
acaaaaggct	gaactgctca	cctcccaact	gatgaacctc	gtctttgttc	catgtcaaag	660
gggcctttgt	gttactgcag	cagaaactcc	agctatcaaa	ccatcaggca	ccaaaagtaa	720
aactcctttc	tctaaaaaga	cctctcttta	cctgagcctt	tcaatgcata	tttgccccca	780
nataatcctg	gatgagataa	tccccagagg	aanaccagcg	cttgcctagt	gaaattatac	840
tatgagacaa	gggtaaaaga	cctcaaanac	cgggttggca	ggtaaggagg	tagggn	896

<210> 474
 <211> 350
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n is a, c, g, or t

tcngtggcac	ccgtttccgg	caccttcaga	ctctgaagag	ccacctgcga	atccacacag	60
gagagaaacc	ttaccatgta	cgtaagcctc	ttgaggccgc	tctctgacct	gcggggatgt	120
ggagggcagg	gaaggagggtg	gagcgcaggg	aaggagggtg	agcaggagg	cagtggaaact	180
gtttgctccc	atctcaagca	cacagtgggg	caaccactac	gctaattggtt	ggaagaccta	240
gatctgggcc	caatggccag	acaccctgct	tgaccttggc	ccaagcatta	ggggactcat	300
ctttaaaatg	agggatatggg	actagatgat	ctgggcctta	ggagaggagt		350

<210> 475
 <211> 835
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (829)..(829)
 <223> n is a, c, g, or t

<400> 475
 cggctnctac cctgcggaga tcacactgac ctggcagtgg gatggggagg accaaactca 60
 ggacaccgag cttgtggaga ccaggccagc aggagatgga accttccaga agtgggcagc 120
 tgtggtggtg ccttctggag aagagcagag atacacgtgc catgttcagc acgaggggct 180
 gccggagccc ctcaccctga gatggaagcc gtcttcccag cccaccatcc ccatcgtagg 240
 catcgttgct ggccctggctg tcctggctgt cctagctgtc ctaggagcta tggtaggctgt 300
 tgtgatgtgt aggaggaaga gctcaggtgg aaaaggaggg agctgctctc aggctgcgtc 360
 cagcaacagt gcccagggct ctgatgagtc tctcatcgct tgtaaagcct gagacagctg 420
 cctgtgtggg actgagatgc aggatttctt cacacctctc ctttgtgact tcaagagcct 480
 ctggcatctc tttctgcaaa ggcattctgaa tgtgtctgcg ttctgttag cataatgtga 540
 ggaggtggag agacagccca ccccggtgtc caccgtgacc cctgtcccca cactgacctg 600
 tgttccctcc ccgatcatct ttctgttcc agagaagtgg gctggatgtc tccatctctg 660
 tctcaacttc atggtgcgct gagctgcaac ttcttacttc cctaataaag ttaagaacct 720
 gaatataaat ttgttttctc aaatatattgc tatgaagggt tgatggatta attaaataag 780
 tcaattcctg gaagttgaga gagcaaataa agacctgaga accttccana atccg 835

<210> 476
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

<400> 476
 tgaaacaaaa tgaatttnta tgggtaagag agggtaatat tttagagttg tgttacaaaa 60
 ctacaaatth ttattaaatt aataaatcag aatactaaat ccatgtgttt ttttctttct 120
 taaaaaatat cttttggctg ggcacggtag ctcatggctg taatcccagc actttgggag 180
 gctgaggtgg gtggatcgcc tgatgtcagg agttcaagac cagcctgggc aacatgttga 240
 aaccccatct ctactaaaaa tataaaaatt agccgggtgtg gtgggtgggcg cctgtaatcc 300
 cagctactca ggaggctaag gcaggagaat tgcgtgaacc caggagttca gtgatgtagc 360
 ggggagctga gattgtgcc ctacactcca gcctggatga cagagtgaga ctccatctca 420
 aaaaaaaaaa aaaaaaa 437

<210> 477
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 477
 gcataatgtg aggaggtgga gagacagccc acccccgtgt ccaccgtgac ccctgttccc 60
 atgctgactt gtgtttcctc ccagtcac tttcctgttc cagagaggtg gggctggatg 120
 tctccatctc tgtctcaact ttatgtgcac tgagctgcaa cttcttactt ccctactgaa 180
 aataagaatc tgaatataaa tttgttttct caaatatttg ctatgagagg ttgatggatt 240
 aattaaataa gtcaattcct ggaatttgag agagcaaata aagacctgag aaccttccag 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
 aaaaaaaaaa 369

<210> 478
 <211> 642
 <212> DNA
 <213> Homo sapiens

<400> 478
 cttaccatgt cagtgcacag aaatgctgtc ttgggatgta ggaaaaataa atccacaaaa 60
 gctaccaagt ttgaagggga ccatgagtct tcaggctgga gcttccaaac cagatgaaaa 120


```

ccccacaatt aacctgcagt ttaagatcca gcagctggcc atttctggac tcaaggtgaa      180
tcgtctggat atgtatggag aaaagtacaa accctttaag ggcataaaat acatgaccaa      240
agctgggaag ttccaagttc gaacctgaag ggagcatttg ctgagggaat agtcttgcac      300
attttttcat ttcttacttg tctaaaagta aaaaaaata tcagcctgtc tcctaggtca      360
gtcccctcct ggacccaccc gtcacctttt ttccttagcc ttcagtgcc tggaaactaat      420
caagggagga aaaggtcacc agggagaact ggacagaact gaaacacagc aacaccagtt      480
ctcaaggaca aggtgtgtga tgggggtagg aagcttggtg cttatgtaac cattttaaac      540
gtggtttcta taggaaagac caacatttgt ttagcttgct tggctttaat tatctaaagc      600
caatgaaaga cttctttgtt gattttttaa gatagaaaga tt                          642

```

```

<210> 479
<211> 912
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (24)..(24)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (808)..(808)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (855)..(855)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (895)..(895)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (906)..(906)
<223> n is a, c, g, or t

```

<220>
 <221> misc_feature
 <222> (910)..(910)
 <223> n is a, c, g, or t

<400> 479
 caaacactat gttatatttat gaanaagact tgaacatcta tggatttttg tatttgcaag 60
 gggatgaatgg ggtattttgca agcagtgaat gaggaggcct ggaaccaatc ttctgctgat 120
 attgaggcac aactgaaaaa ggtatattac ttaaattctt tattgtattg taaactgtat 180
 aagtaatgaa attaaaaggc agaaattgtc agactgaata aaatgaaaag accaaacaat 240
 atgctgctta caagaaacac aattcaaata taaggacaca attagttaa aggaaaagaa 300
 ctggaaaaga tataccatga taacacaagt cagaagaaag ctgctgtgga tatattaata 360
 tgagatgtag atttcagagc agtgaatatt gccaggcata aagaaagtta ttacataata 420
 attaaggtat cagttcatca agaagatgta ataaccctaa gtatttatac aactaatatc 480
 agagcttcaa aatacatgaa gcaaaaacca gtggaattga taggagaaac acacaattac 540
 acaattatag tcagaatttt caacatatct ttctcaatgg agaaaacaac tagacaggaa 600
 atcattaagg atatagatga tttaaattat atgatcaact acctggacgt aattggcatt 660
 tatggaacac tgcaccacca acagcagagt acatattatt ttcaagtaca cagaaaacag 720
 ttaccaatat agaccatttt ctgggtcata aaacacatct caataaatgt aaaacaatta 780
 atgttatata aagtatgtgc tctgaccnca aaggaattag agatcaataa aagaacatct 840
 ttgaaaaatc tcacntattt aaaaactaat aactcacttc taaataactc ctgtntcaag 900
 agaatnaaan gg 912

<210> 480
 <211> 873
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (850)..(850)
 <223> n is a, c, g, or t

<400> 480
cccagcctca ctgcgccccg tcaggccagg cagctgccct cagggctctgc caaggtgggg 60
gtcaagggcc atgggggag gtagctctgc ctgcaaagcc cacaagcatg tcagatcacc 120
tgggctgcag acagacaaac acctgagctg ttctgaatac cttcagggtc ctggcctcgc 180
tgagcaagtg cagaaatatt taccttcaag gatcagggtt tttctgtttg tttgtttttt 240
aacacacaca tatgtgaaca aagagtatgc gtttgtactg gcagaagaag cgtctggtaa 300
gacaaccagc aagttaacaa tgggtcacctc cagaaatggg ctgggtaaac caaagaattt 360
ttttgttttt gttttttttg agtcagggtc tagctctgtc acccaggctg gaacgcactg 420
gtgtgatcac ggctcactgc agccttgacc tccctggctc aagcaatcct cccagctcag 480
cctcctgagt cgttgggact acaggcacgt gccaccacgc ctgacacatt ttttaaattt 540
ttgtagagac agtgtttcac catgttgccc aggcagggtc caaactcctg ggctcaagtg 600
gtcctccagc ttcagcctcc caaagtgcta ggattatagg tgtgagccac agtgcccagc 660
cccgtagtgg agaatttctg ttgaatgaac caaaagcaac tgccaacctc tccatgcacc 720
atgtgtttca gaggagaaag cacagtgaag aatgcagtgt gttctgaggt cctgtcacc 780
ctgaggctgt gtgtgtcctt tgccaaatta aagagtctta ctgaatgcgg tgcattccagg 840
agacaggccn aggtttggac tggtaaaaaa aaa 873

<210> 481
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (531)..(531)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (741)..(741)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (775)..(775)
<223> n is a, c, g, or t

<400> 481
cagacacctg gnagaacggg aaggagacgc tgcagcgcgc ggacccccca aagacacatg 60
tgaccacca ccccatctnt gaccatgagg ccaccctgag gtgctgggcc ctgggcttct 120
accctgcgga gatcacactg acctggcagc gggatggcga ggaccaaact caggacaccg 180
agcttgtgga gaccagacca gcaggagaca gaaccttcca gaagtgggca gctgtggtgg 240
tgcttcttgg agaagagcag agatacacat gccatgtaca gcatgagggg ctgccgaagc 300
ccctcaccct gagatgggag ccatcttccc agtccaccgt ccccatcgtg ggcattgttg 360
ctggcctggc tgtcctagca gttgtggtca tcggagctgt ggctcgtgct gtgatgtgta 420
ggaggaagag ttcaggtgga aaaggaggga gctactctca ggctgcgtcc agcgacagtg 480
cccagggctc tgatgtgtct ctcacagctt gaaaagcctg agacagctgt nttgtgaggg 540
actgagatgc aggatttctt cacgcctccc ctttgtgact tcaagagcct ctggcatctc 600
tttctgcaaa ggcacctgaa tgtgtctgcg tccttggttag cataatgtga ggaggtggag 660
agacagccca cccttgtgtc aactgtgacc ccctgttccc atgctgacct gtgtttcctc 720
cccagtcatc ttttttgttc ncaataggtg gggcctggat gtctccatct ctgtntca 778

<210> 482
<211> 666
<212> DNA
<213> Homo sapiens

<400> 482
ttataaggta cttttaaggt attttagttg tcttagtcta tatttctgta ctcacctttc 60
tttatccact catcagttga tgggcatgta ggttggttcc atatctttgc aattctgaat 120

tgtgctgtga tcaggtgtct ttttagtata atgatttact ctcctttggg tagataccca	180
gtagtgggat tgctggatcg aatgggttttt ataattttct attttaccac agtttctctc	240
tgcatttttc ctctttgacc actaaccatg tgaaattctc atattgacct ttataatgat	300
catgaactct tagtatcatt gggaaggcca catttgccac ttatgattgt aaaccttatc	360
ctccattttt cctgttattg ttggtgcaaa aagcacctat tataccagga ctttaaaaat	420
cagtctgata agtctttgat aagtctaata ataataactg ataagtccat tgaatttgct	480
tctgattact ttttcttttag tagctaaaca tgtatgtact cctatgatta caatgaacac	540
tcctctccat ttaaattaat tatttacatt gatgaaatag caaaatgtta atgactaaat	600
actgtcttgg ttttttcggt ccaggtcagt caatattaac ttcttataat tttctttttt	660
ttcttt	666

<210> 483
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 483	
gcaaggacta acccctatac cttctgcata atgaattaac tagaaataac tttgcaagga	60
gagccaaagc taagaccccc gaaaccagac gagctaccta agaacagcta aaagagcaca	120
cccgctctatg tagcaaaaata gtgggaagat ttataggtag aggcgacaaa cctaccgagc	180
ctggtgatag ctggttggtcc aagatagaat cttagttcaa ctttaaattt gccacagaa	240
ccctctaaat ccccttgtaa atttaactgt tagtccaaag aggaacagct ctttggacac	300
taggaaaaaa ccttgtagag agagtaaaaa atttaacacc catagtaggc ctaaaagcag	360
ccaccaatta agaaagcgtt caagctcaac acccactacc taaaaaatcc caaacatata	420
actgaactcc tcacacccaa ttggaccaat ctatcacctc atagaagaac taatgttagt	480
ataagtaaca tgaaaacatt ctcctccgca taagcctgcg tcagattaaa aactgaact	540
gacaattaac agcccaatat ctacaatcaa ccaacaagtc attattaccc tcaactgtcaa	600
cccaacacag gcatgctcat aaggaaagg	630

<210> 484
 <211> 612
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (461)..(461)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (501)..(501)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (510)..(510)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (563)..(564)
 <223> n is a, c, g, or t

<400> 484
 ggccaccggg tgcaaggtca gggctgggggt ggaggctggg aagcccaggg cttggcccccac 60
 tgtggccgcc ttgtgtggtc actgctttcc tgggcctgct gtgagctccc tctaggaccc 120
 caggcctgtc tgggtgggtca ctgtgaccac caccttgac agcacctggc gcgtggcagg 180
 tgctcaaaca ttacttggtt cggaatgaac ttcattctgc tcttggtttt ttgactaatg 240
 ctgtggaaca tctgactaat tagtgactct ttggggcccc cagtttccca gctataaagt 300
 ggtaatatta agataataat tcggccgggc gcggtggctc acgcctgtaa tcccagcagc 360
 actttgggag gccgaggtgg gcagatcacg aggtcagaag atcgagacca tcctggctaa 420
 cacggtgaaa cccatctct actaaaaata caaaaaatta nccgggcgtg gtggcgggcg 480
 cctgtagtcc cagctactca ngaggctgan gcaggagaat ggtgtgaacc cgggaggcag 540
 aggttgcagt gaaccaagat cgnnccactg cactccagcc tgggcaacag agcgagactc 600
 catcttaaaa aa 612

<210> 485
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 485
 aatcagggcc gcagtgtggt ctgcgcctgc ccagagctga ctctgattt aaccgctggc 60
 gtaaccgcgg gttgcacgca tgcgtgctga aaagcctttc accctcacgt ggtttctttt 120
 ttaaccagtc atcaagcgag gctcgcgcgc aggccccgcg ttggaaaatg gcggggaagc 180
 tgaaacctct gaatgtggag gcgccagaag ctgctgagga ggctgaaggt agtgagggca 240
 agtgggctgc actcctttct ctccaaccag ggcagaaagg agggaggatt cgtcccatta 300
 caataatgaa ataatgatat tctaattttt ttaaataaaa tgttaagcct tttgttattg 360
 aa 362

<210> 486
 <211> 854
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (269)..(269)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (488)..(488)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (557)..(557)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (679)..(679)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (718)..(718)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (748)..(748)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (755)..(755)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (805)..(805)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (810)..(810)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (843)..(843)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (852)..(852)
<223> n is a, c, g, or t

<400> 486
ggaaancatg aggcttcggg agccgctcct gagcggcagc gccgcgatgc caggcgcgtc 60
cctacagcgg gcctgccgcc tgctcgtggc cgtctgcgct ctgcaccttg gcgtcaccct 120
cgtttactac ctggctggcc ggcacctgag ccgcctgccc caactggtcg gagtctccac 180
accgctgcag ggcggctcga acagtgccgc cgccatcggg cagtcctccg gggagctccg 240
gaccggaggg gcccggccgc cgctcctnt aggcgcctcc tcccagccgc gcccggtgg 300
cgactccagc ccagtcgtgg attctggccc tggccccgct agcaacttga cctcggtccc 360

agtgtcccccac accaccgcac tgtcgtctgcc cgcctgccct gaggagtccc cgctgcttgg	420
taaggactcg ggtcggcgcc agtcggagga ttgggacccc cccggatttc cccgacaggg	480
tccccanac attccctcag gctggctctt ctacgacagc cagcctccct cttctggatc	540
agagttttaa atcccanaca gaggcttggg actggatggg agagaagggtt tgcgaggtgg	600
gtccctgggg agtcctgttg gaggcgtggg gccgggaccg cacagggaag tcccgaggcc	660
cctctagccc caaaaccana gaaggccttg gagacttccc tgctgtggcc cgaggctnag	720
gaagttttgg agttttgggt ctgcttangg cttcnagcag ccttgcaactg agaactttgg	780
tagggacctc gagtaatcca ctccnttttn gggactgacg tgaggctccc ggtggggaaa	840
ganactgacc tntc	854

<210> 487
 <211> 843
 <212> DNA
 <213> Homo sapiens

<400> 487	
ccgacctgtc tcgctccgtg gccttagctg tgctcgcgt actctctctt tctggcctgg	60
aggctatcca gcgtactcca aagattcagg tttactcacg tcatccagca gagaatggaa	120
agtcaaattt cctgaattgc tatgtgtctg ggtttcatcc atccgacatt gaagttgact	180
tactgaagaa tggagagaga attgaaaaag tggagcattc agacttgtct ttcagcaagg	240
actggtcttt ctatctcttg tactacactg aattcacccc cactgaaaaa gatgagtatg	300
cctgccgtgt gaaccatgtg actttgtcac agcccaagat agttaagtgg gatcgagaca	360
tgtaagcagc atcatggagg tttgaagatg ccgcatttgg attggatgaa ttccaaattc	420
tgcttgcttg ctttttaata ttgatatgct tatacactta cactttatgc aaaaaatgta	480
gggttataat aatgttaaca tggacatgat cttctttata attctacttt gagtgtgtgc	540
tccatgtttg atgtatctga gcaggttgct ccacaggtag ctctaggagg gctggcaact	600
tagaggtggg gagcagagaa ttctcttata caacatcaac atcttgggtca gatttgaact	660
cttcaatctc ttgcactcaa agcttggttaa gatagttaag cgtgcataag ttaacttcca	720

atttacatac tctgcttaga atttggggga aaatttagaa atataattga caggattatt	780
ggaaatttgt tataatgaat gaaacatttt tgtcatataa gattcatatt tacttcttat	840
aca	843

<210> 488
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 488	
taaatagga atcctttccc cattgcttgt ttttctcagg tttgtcaaag atcagatagt	60
tgtagatatg cgacgttatt tctgagggt ctgttctgtt ccattgatct atatctctgt	120
cacatgcaca cgtatgtttg ttgtggcact attcacagtg gcaaagactt ggaaccaacc	180
caaatgtcca acaatgatag accgggttaa gaaaatgcgg cacatataca ccatggaata	240
ctatgtagcc ataaaaaatg atgagttcgt gtcctttgta gggacatgga tgaaattgga	300
aatcatcatt ctcagtaaac tatcgcagga acaaaaaacc aaacactgca tattctcact	360
cataggtggg aattgaacag tgggaacaca tggacacagg aagggaaca tcacactctg	420
aggactgttg tgggggtggg ggaggaggga gggatagcat tgggagatat acctagtgt	480
ggatgacgag ttagtgggtg cagcgcacca gcatgtcaca tgtatacata tgtaactaac	540
ctgcacattg tgcacatgta ccctaaaact taaggtat	578

<210> 489
 <211> 628
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (133)..(133)
 <223> n is a, c, g, or t

<400> 489	
ccgcaacaaa cacgggagtg cagatatcgc tgcgatgggc tgatttcctt tatttgggta	60
tatacccagc agtgggattg ctggattgta tggtagctct attagttttt tgaggaaacct	120

ccaaactggt	ctncatagtg	gttgtactca	tttacattcc	cactgtgaac	cctgaaaatt	180
tgaggcaggt	ctcagttaaa	ttagaaagtt	gatttttgcca	agttggggac	acgcactcgt	240
gacacagcct	caggaggaac	tgatgacatg	tgcccaggtg	gtcagagcac	agcttggttt	300
tatacatTTT	agggaaacct	gagccatcaa	tcaacatacg	taaaatgggc	cgggcacagc	360
agctcaagct	gtaatcccag	cactctggga	ggccgaggcg	ggtggatcac	ttgaggtcag	420
gagttcgaga	ccagcctggc	caacatggtg	aaacccccgtc	tctattaaaa	atacaaagct	480
tagctggatg	tggtggcgca	tgctgttagt	cccagctgct	ctaggaggct	gaggcatgag	540
aattgcttga	acctgggagg	cagaggctgc	agtgagccga	gatcgagcca	ctatactcca	600
gcctgggtcaa	cagagtgaga	ccctgtct				628

<210> 490
 <211> 612
 <212> DNA
 <213> Homo sapiens

<400> 490						
ccacaactgt	gttcactagc	aacctcaaac	agacaccatg	gtgcacctga	ctcctgagga	60
gaagtctgcc	gttactgccc	tgtggggcaa	ggtgaacgtg	gatgaagttg	gtggtgaggc	120
cctgggcagg	ctgctgggtg	tctacccttg	gacccagagg	ttctttgagt	cctttgggga	180
tctgtccact	cctgatgctg	ttatgggcaa	ccctaaggtg	aaggctcatg	gcaagaaagt	240
gctcggtgcc	tttagtgatg	gcctgggtca	cctggacaac	ctcaagggca	cctttgccac	300
actgagtgag	ctgcactgtg	acaagctgca	cgtggatcct	gagaacttca	ggctcctggg	360
caacgtgctg	gtctgtgtgc	tggcccatca	ctttggcaaa	gaattcacc	caccagtgca	420
ggctgcctat	cagaaagtgg	tggctgggtg	ggctaattgcc	ctggcccaca	agtatcacta	480
agctcgcttt	cttgctgtcc	aatttctatt	aaaggttcct	ttgttccta	agtccaacta	540
ctaaactggg	ggatattatg	aagggccttg	agcatctgga	ttctgcctaa	taaaaaacat	600
ttattttcat	tg					612

<210> 491
 <211> 677

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<400> 491
atgggcatct ctcgggacaa ctggcacaag cgccgcaaaa ccggggggcaa gagaaagccc 60
taccacaaga agcgggaagta tgagttgggg cgcccagctg ccaacaccaa gattggcccc 120
cgccgcatcc acacagtccg tgtgcgggga ggtaacaaga aataccgtgc cctgaggttg 180
gacgtgggga atttctcctg gggctcanag tgttgtactc gtaaaacaag gatcatcgat 240
gttgtctaca atgcatctaa taacgagctg gttcgtacca agaccctggg gaagaattgc 300
atcgtgctca tcgacagcac accgtaccga cagtggtagc agtcccacta tgcgctgccc 360
ctggggccgca agaagggagc caagctgact cctgaggaag aagagatttt aaacaaaaaa 420
cgatctaaaa aaattcagaa gaaatatgat gaaaggaaaa agaatgccaa aatcagcagt 480
ctcctggagg agcagttcca gcagggcaag cttcttgctg gcatcgcttc aaggccggga 540
cagtgtggcc gagcagatgg ctatgtgcta gagggcaaag agttggagtt ctatcttagg 600
aaaatcaagg cccgcaaagg caaataaatc cttgttttgt cttcacccat gtaataaagg 660
tgtttattgt ttttgtt 677

<210> 492
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (83)..(83)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (724)..(724)
 <223> n is a, c, g, or t

<400> 492
 cttncacata ctgattgatg tctcatgtct ctctaaaatg tgtaaaacca agctgtgccc 60
 caaccacctt gggnacatgt ggnaggacc tcctgaggct gtgtcatggg cacaccttaa 120
 ccctgggaaa ataaactttc taaactgact tgagagctgt ctcagatatt ctgagcttac 180
 agttattgtg aaatcatttt aattataaat taagtggaga tttacttaaa atcatgtgta 240
 gaagtagcct gtgatatagt cctagataca tacattatca tcttatgtat ctccctccc 300
 tcttcaggt tctgataaaa acagatgaaa tctgaaagac catgacagta gtattttgaa 360
 aatgacagta tttgaaatta aaaaattgta aaagtgttct gttctatcac tgccaaagga 420
 taagttacaa attggttctt ggaacgtaat atgtactatg tgcttgctat ttaataattt 480
 accagtctta gtctttttta ttcagactaa ttttaccttt ttttaaccta tgactcttta 540
 gttatagtag tacaaaaaag tagttttagt tatagtttta gttgtagtac aaaaaagcat 600
 tttctgtaag cttaatttct ttccccttcc cgctttccca gtcagatgac tttagtgatt 660
 tggagttgtg tgctttataa gtgcattcct cagaggactt aatattacta agatttttagc 720
 aacnctgaaa tatgtt 736

<210> 493
 <211> 579
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (556)..(556)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (559)..(559)
<223> n is a, c, g, or t

<400> 493
 tgtncctgta gtcctgtgtg ggaggattgc ctgagcctag gagctcaaag ttgcagtgag 60
 cccagatcgn gncattgcag tccagcctgg gtgacagagt gagaccccat gtcaaaaaaa 120
 aaaaaacaaa aaacaggggc ctgcctcanc cagcaggtga ggtctgccac tgagagcact 180
 tctagcagca ggaacagcct ccacccccac actgcaatca agtttttttg gtcagcctta 240
 ggagctaana aagggcctag tttgnctaaa tagcaggagt tatatccagg gatcttcagg 300
 cccaggaatg ctaatgagta ggcattccat gggccctggg aatggctttg tgtgccanaa 360
 atgatggcca caaaggcctt gctgcctttt ttcaaaatgg ctgcatccag ctgagtgtc 420
 tctgccaaag ggganaanaa aataagtctc cagtgcattt agattgggtct ctcatcatct 480
 ctctcctttt tgtttttatt agtctcctta accaaaactg ccaagaaagg cttggaattg 540
 aaacaaaacc tgatanaana ggtaagaggt tgttctttt 579

<210> 494
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (27)..(27)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (59)..(59)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (88)..(88)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (373)..(373)

<223> n is a, c, g, or t

<400> 494

tgtntcaaaa aaaaaaaaaa gaacggnaat gtactggaga tgtatttgat aaccaaggnt	60
ttaggtaaat tttcaccagt attagtnta tttgcaaact gaaaaatggt gtaggcttaa	120
tataaaataa ccacattagt gaacattata tctcttagaa gaaaggccat attttgctcc	180
tgcttctgta aaaatattat ttgtttgaag gggaaataat ggtagtgtga cctttcactt	240
aattcctact cccttaatgt gagagagaca aaatgagctg aagaaggaaa attctggagt	300
tacactccac aaccttgaac atactgacgg acatctctgt tttgacaacg atttctccat	360
gccacccatg ctntaatgcc ttgtggatca cggacaaccc tctttgcaca agctacagca	420
tcagcgatgt tatcttgcag caaagcactg caggataaat gacaggcatt aactgctcct	480
ggggttttgc catcattaca ccagtagcgg ctattgatct gaaatatccc ataatcagt	540
cttctgtctc cagcattgta gtttgtagct cgtgtgttgt aaccactctc ccatttggcc	600
aaacacatcc agtttgctag gctgattccc ctgtagccat ccattcccaa tcttttcaga	660
gttctggcca actcacacct ttcaaagacc ttgccctgga ccgtaacaga aaggaggaca	720
agccccagaa caatgagagc cttcatgttg ac	752

<210> 495

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (103)..(104)

<223> n is a, c, g, or t

<400> 495

ttggtaccgc ggaaattctt tgccgcgtcg acggccggtg aggcagatca cctgagccca	60
ggagttcagg accagcctgg gcagcatacc gggattccat ctnnactaaa aacagtaggc	120
tgggtgtggt ggctcatgtc tgtaagctca ggactttgga aggccaagat gggaggatca	180
cttgagcctg ggagtttgac accagcttga gcatcgtagc caggccctga ctctacaaaa	240

aagtgaaata attagccgag tgtggtggtt cacacctgta atcccagctg ctcaggaggc	300
tgaggtagga gaatcatttg aaccgaggag gtggagggtg cagttagccg agatcacgcc	360
attgcactcc ggccctgggag ataaagcgag actctgtctc aaaaaaaaaa aaaa	414

<210> 496
 <211> 670
 <212> DNA
 <213> Homo sapiens

<400> 496	
attcggggccg agatgtctcg ctccgtggcc ttagctgtgc tcgcgctact ctctctttct	60
ggcctggagg ctatccagcg tactccaaag attcagggtt actcacgtca tccagcagag	120
aatggaaagt caaatcttct gaattgctat gtgtctgggt ttcattccatc cgacattgaa	180
gttgacttac tgaagaatgg agagagaatt gaaaaagtgg agcattcaga cttgtctttc	240
agcaaggact ggtctttcta tctctgttac taaactgaat tcacccccac tgaaaaagat	300
gagtatgcct gccgtgtgaa ccatgtgact ttgtcacagc ccaagatagt taagtgggat	360
cgagacatgt aagcagcatc atggagggtt gaagatgccg catttggtt ggatgaattc	420
caaatctctgc ttgcttgctt tttaatattg atatgcttat acacttacac tttatgcaca	480
aatgtaggg ttataataat gttaacatgg acatgatctt ctttataatt ctactttgag	540
tgctgtctcc atgtttgatg tatctgagca ggttgctcca caggtagctc taggagggtc	600
ggcaccttag aggtggggag cagagaattc tcttatccaa catcaacatc ttggtcagat	660
ttgaactctt	670

<210> 497
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 497	
ggatttttgg tccgcacgct cctgctcctg actcaccgct gttcgctctc gccgaggaac	60
aagtcgggtca ggaagcccg gcgcaacagc catggctttt aaggataccg gaaaaacacc	120
cgtggagccg gaggtggcaa ttcaccgaat tcgaatcacc ctaacaagcc gcaacgtaaa	180

atccttgga	aaggtgtgtg	ctgacttgat	aagaggcgca	aaagaaaaga	atctcaaagt	240
gaaaggacca	gttcgaatgc	ctaccaagac	tttgagaatc	actacaagaa	aaactccttg	300
tggtgaaggt	tctaagacgt	gggatcgttt	ccagatgaga	attcacaagc	gactcattga	360
cttgcacagt	ccttctgaga	ttgttaagca	gattacttcc	atcagtattg	agccaggagt	420
tgaggtgga	gtcaccattg	cagatgctta	agtcaactat	tttaataaat	tgatgaccag	480
ttgttaaaa						489

<210> 498
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (307)..(307)
 <223> n is a, c, g, or t

cttattgaaa	atcttactaa	tttcttactt	tttaggtttt	aggagaatac	ttttggataa	60
ttgactagcc	tcacattata	ttgatagagg	ttcttgaaaa	ctttaatgcc	aattcatgta	120
tcttatgact	aaaatagata	atccatttag	aaatttaagt	cattcttgcg	tgcttgatat	180
gtgtcagcac	tatccaagtt	gctaggggat	acaatgggtga	agtgaaaata	tcagctaggt	240
gccggtggct	cacacctgtt	atcccaacag	tttgggaggc	caggggtggga	ggatcactca	300
agcacangcg	tttcacacca	gcctggacaa	catacaagac	cccatcttta	ccaaaagtta	360
ag						362

<210> 499
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (193)..(193)

<223> n is a, c, g, or t

<400> 499

ttttcttaga actttatttt ttctggccag gcgcagtggc tcacacctgt aatcccagca	60
ctttgggagg ccaaggcagg tcgatcacct gaggtcagga gctcaagacc agcctggcca	120
acatggtgaa accctgtctc tactaaaaat acaaaaatta gctgggcgtg gtggcgcagt	180
cctgtaatcc canctactca ggaggctgag gcaggagaat tgtttgaacc cgggaggcgg	240
aggttgcagt gagccgagat tgcgccactg cactccagcc tgggcaacag agcgaaactc	300
catctcaaaa aaaaaaaaaa aaaacaacct ttatTTTTTc tgattttaaa agtaataact	360
agtttgtaga aacattaata gt	382

<210> 500

<211> 556

<212> DNA

<213> Homo sapiens

<400> 500

tctttcggaa gcgcgccttg tgttggtacc cgggaattcg cggccgcgtc gacgcggtcg	60
taagggctga ggatttttgg tccgcacgct cctgctcctg actcaccgct gttegtcttc	120
gccgaggaac aagtcggtca ggaagcccgc gcgcaacagc catggctttt aaggataccg	180
gaaaaacacc cgtggagccg gaggtggcaa ttcaccgaat tcgaatcacc ctaacaagcc	240
gcaacgtaaa atccttggaa aaggtgtgtg ctgacttgat aagaggcgca aaagaaaaga	300
atctcaaagt gaaaggacca gttcgaatgc ctaccaagac tttgagaatc actacaagaa	360
aaactccttg tgggtgaaggt tctaagacgt gggatcgttt ccagatgaga attcacaagc	420
gactcattga cttgcacagt ccttctgaga ttgttaagca gattacttcc atcagtattg	480
agccaggagt tgaggtggaa gtcaccattg cagatgctta agtcaactat ttaataaat	540
tgatgaccag ttgttt	556

<210> 501

<211> 464

<212> DNA

<213> Homo sapiens

<400> 501
 gcggctgctg ttggttgggg gccgtccgc tcctaaggca ggaagatggt ggccgcaaag 60
 aagacgaaaa agtcgctgga gtcgatcaac tctaggctcc aactcgttat gaaaagtggg 120
 aagtacgtcc tggggtacaa gcagactctg aagatgatca gacaaggcaa agcgaaattg 180
 gtcattctcg ctaacaactg ccagctttg aggaaatctg aaatagagta ctatgctatg 240
 ttggctaaaa ctggtgtcca tcactacagt ggcaataata ttgaactggg cacagcatgc 300
 ggaaaatact acagagtgtg cacactggct atcattgatc caggtgactc tgacatcatt 360
 agaagcatgc cagaacagac tggtgaaaag taaacctttt cacctacaaa atttcacctg 420
 caaaccttaa acctgcaaaa ttttccttta ataaaatttg cttg 464